Lowdown on Washington Doings—page 5

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THE CHEMICAL MARKET AUTHORITY SINCE 1871

Volume 140
Number 12

Published by
Schnell Publishing Company, Inc.

September 22, 1941

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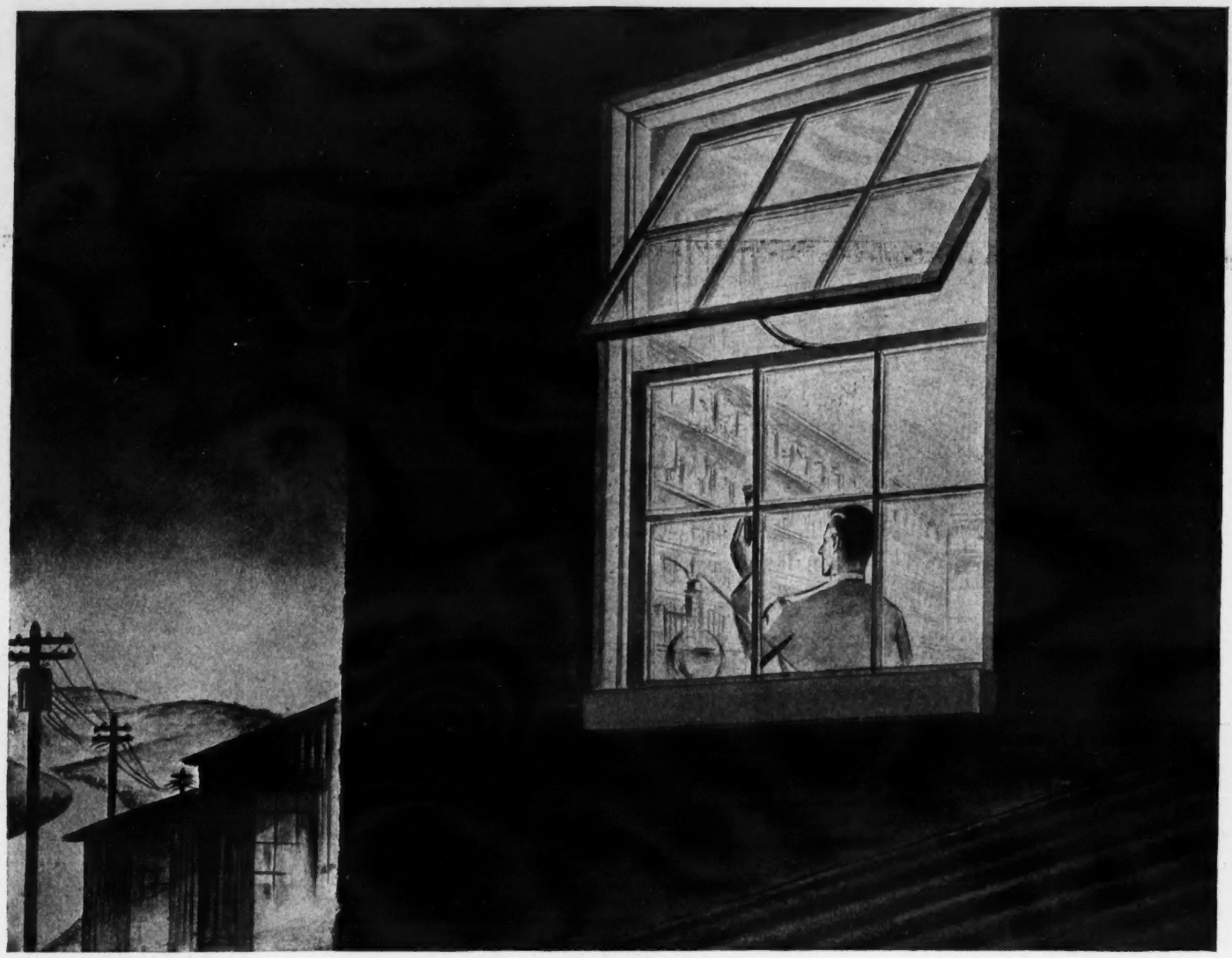

FOR THE DURATION . . .

Laboratory lights burn far into the night as research goes steadily forward to improve the quality of Warner Chemicals. In our plants the hum of production is punctuated by the sounds of modernization and construction work.

We sincerely believe that our research and modernization programs will ultimately enable us both to fill defense needs and more fully meet the requirements of our regular customers. In the meantime, we are particularly desirous of rendering technical help in the most efficient use of Warner Chemicals.

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Division of

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THE CHEMISTS' CLUB

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Volume 140 **September 22, 1941** **Number 12**

Federal Wholesale Druggists Discusses Laws and Defense

That members should approach their trade association when in need of advice and counsel concerning the aspects of the operation of the industry was urged by S. C. James, of the Ellicott Drug Company, Buffalo, in his address as president of the Federal Wholesale Druggists Association, in convention at the Greenbrier, White Sulphur Springs, W. Va., September 14-17. Mr. James, in part, said:—

Your association is as valuable to each of you as the use you make of it. Some of us may have slipped into the attitude, particularly since the economic shake-up which has dislocated business since the start of the defense race, that we have little or no time for participating in the activities of our association, that the times are such as to justify the slogan, "Every man for himself," and that the exigencies of a man's individual business are so great that for the time being his trade association will have to drift along without him. Such an erroneous attitude, apart from injuring the association as a whole, constitutes a direct hurt to the wholesaler or manufacturer in question, for he is thereby failing to realize the primary purpose and the moving spirit of his cooperative trade association.

It is the aim and goal of the Federal

—*Continued on page* 52

Caffeine Probe Started by U.S.

Subpenas under the antitrust laws have been issued by the New York office of the Department of Justice to a number of producers and major distributors of caffeine and its derivatives. The summonses are directed to an investigation of prices, contracts, and "promises."

No definite date is set for the return of the subpenas, and the Federal attorneys decline to furnish any information with respect to the action.

N.J. Drug Probe Headquarters Set Up

Headquarters for Federal government representatives from Washington, who are investigating alleged illegal price-fixing by a number of pharmaceutical interests, have been established in the Federal building, Newark. Kenneth L. Kimble, special assistant Attorney General, will be in direct charge of activities. Paul J. Mulcahy of the Newark office of United States Attorney Phillips has been assigned to cooperate with Kimble.

Evidence dealing with alleged interlocking German control of important American chemical and pharmaceutical interests is now being assembled in New York. Concerns under investigation are located in New York and New Jersey. It will be determined later when the evidence relating to New Jersey concerns will be presented for consideration of a Grand Jury in Newark.

Ethyl Alcohol Price Ceiling Set

OPD Washington Bureau
September 17, 1941

Maximum prices approximating the levels that have generally prevailed during the third quarter of the current year are imposed on twelve leading classifications of ethyl alcohol in a schedule announced today by Leon Henderson, Administrator, Office of Price Administration. A top price of 24½ cents a gallon "at works" is set for "specially denatured 2B," the basic formula among the twelve classifications covered, in tankcar lots in Eastern territory. Differentials are established for the eleven other formulas.

The ceiling prices, effective as of September 15, apply only to transactions in quantities of 500 gallons or more, and manufacturers are required to file monthly, beginning with Octo-

—*Continued on page* 47

Alcohol Tax Rebate Refused by House

OPD Washington Bureau
September 17, 1941

Congressional action on the $3,553,400,000 tax bill was completed today when the senate, by a voice vote, approved the conference report on the measure and sent it to the White House where the President signed it. The house approved the report of the conferees yesterday, also by a voice vote.

Major provisions of the new tax bill are, for the most part, the same as when passed by the senate. However, the amendment offered by Senator Millard Tydings of Maryland, and adopted by the senate, providing for a refund of $1 per proof gallon of tax paid on distilled spirits in the case of spirits used in the manufacture or production of an article intended for use for nonbeverage purposes and sold for such use, was eliminated from the bill by the house representatives in conference. The rate on all dis-

—*Continued on page* 52

N.W.D.A. to Meet Sept. 29 to Oct. 2

The sixty-seventh annual convention of the National Wholesale Druggists Association will be held at the Greenbrier hotel, White Sulphur Springs, W. Va., September 29 to October 2. The business sessions will be held this year during four morning periods and one afternoon period.

Each of the regular business sessions will be opened by nationally known news commentators, who will give the latest information on international news. Among the speakers in this group are included:—Earl Godwin, William Hillman of the National

—*Continued on page* 52

Phila. Drug Exchange Outing October 8

The Fall outing of the Philadelphia Drug Exchange will be held at the Cedarbrook Country Club, Philadelphia, October 8. Dinner will be served at 7 p.m., after which there will be entertainment and awarding of prizes. The charge is $3 per person, which includes everything with exception of green fees of $1.50 for those who play golf. For those who desire to play golf early, luncheon can be obtained at the club at 75 cents per person. J. M. Rosenberger, secretary of the Philadelphia Drug Exchange, 503 Arch street, Philadelphia, is in charge of reservations and arrangements.

Insecticide Ass'n Urged to Work Closer with U. S. Entomologists

Closer cooperation between insecticide and fungicide manufacturers and official entomologist was urged by W. P. Flint, chief entomologist of the Illinois Agricultural Experiment Station, in an address at the Fall meeting of the Agricultural Insecticide and Fungicide Association, held at the Buckwood Inn, Shawnee-on-Delaware, Pa., September 11-12.

Warren H. Moyer
Re-elected President

There are many points in the general field of insect and fungus control in which these two groups of men are working side by side with a common interest in view, Mr. Flint said. Because of this, he said, it seems very much worthwhile for us to develop the closest cooperation between these two groups of men. Mr. Flint continued by saying.

For the last seven years a conference has been held in the Northwestern part of the United States which has included in its membership representatives of the various State experiment stations, the Western Canadian provinces, and representatives of your association. This conference has been devoted very largely to a discussion of developing better spray schedules and better sprays for the control of codling moth and other apple insects, and diseases in this particular section of the United States.

Regional Meetings

A somewhat similar group meeting has been held during the last year to discuss the matter of controlling diseases and insects of grapes. This meeting has also included a number of growers. Somewhat similar meetings have been held in the past in New York, so that the idea is not at all a new one, but is one which is worthy of further development, and which might well be carried to a point where we would have annual regional meetings of representatives of the manufacturers of insecticides and fungicides with the official phytopathologists and entomologists of the region. Such meetings should be arranged by a joint committee of both organizations and should very probably be devoted to a special group of topics each year, that is, one year the discussion might center around the insecticides and fungicides best suited for the control of truck crop insects.

Another season, the subject discussion might apply to the control of insects under glass. Another group of topics which could well occupy the entire time of such a meeting would be the control of insects affecting man and domestic animals, and certainly another on the control of insects and diseases of tree fruits. There are many other group subjects which might be just as well and perhaps better discussed at such meetings.

It is the feeling of many pathologists and entomologists with whom I have discussed this matter that it would not be at all difficult to arrange such regional

—*Continued on page* 54

Shipping Container Parley Here Sept. 26

A Shipping Container Conference has been called at the request of the Office of Production Management. The conference, with the cooperation of the American Management Association, will be held in the Hotel New Yorker September 26. Albert W. Luhrs, president of Container Testing Laboratories, this city, will be chairman of the meeting.

"How Can American Industry Meet the Problem?" is the topic of a symposium, in which the following will participate:—Major J. M. Berry, chief of the packing technical unit of the Standardization Branch of the Supply Division of Quartermaster General, Washington; A. Harry Greenly, chair-

—*Continued on page* 29

Container Priority Rating Covers Many Industries

OPD Washington Bureau
September 15, 1941

The Office of Production Management today announced that the priority rating recently granted to manufacturers of steel shipping containers for the months of September and October makes steel available for the manufacture of containers for all industries which normally buy their containers from the steel shipping container industry.

It has been reported in the trade that the steel could be used only for making containers for the petroleum and chemical industries. OPM officials emphasize, however, that it may also be used to make containers for other industries, such as food processors, paint and varnish manufacturers, etc.

National Foreign Trade Convention October 6-8

The twentieth annual National Foreign Trade convention will be held in the Hotel Pennsylvania, this city, October 6-8. Sessions October 6 will be concerned with taxes, transportation and insurance, and October 7 will be devoted to foreign credit, collection and exchange, and on the closing day there will be a panel discussion of governmental operations affecting foreign trade.

Defense Clinic Opens In N.Y. September 22

A national defense production clinic will be held in the Grand Central Palace, this city, September 22-24. The clinic is one of a series being held throughout the country for the purpose of aiding firms with machines and tools that can be used in defense production to obtain sub-contracts in the national defense program.

Officials of the Office of Production Management said that the potential sub-contractors will be offered an opportunity to confer with prime contractors and procurement officers or the Army and Navy, the Maritime Commission and other government agencies.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals, oils, and drugs is currently as follows:—

Sept. 19, 1941	Sept. 12, 1941	Sept. 20 1940
130.4	130.3	100.2

Heavy chemicals, dyestuffs and textile and leather chemicals, oils, fats, and waxes, and essential oils and aromatic chemicals, are up from the preceding week. Drugs and fine chemicals and botanical drugs, gums, and spices are down. Other groups are undown. Other groups are unchanged.

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Closing Markets

Cottonseed Oil Steady

Refined cottonseed oil futures were quiet on Friday and price movements were comparatively narrow. Crude oil remained firm in Southern markets. Cottonseed was reported to have sold in the Southwest at $60 per ton. Soybeans weakened early but rallied later. Tallow remained firm, further sales being reported at 9c. per pound for extra.

Defense Materials Price-Index Trend

A decline in prices of crude rubber caused the Bureau of Labor Statistics index of market prices of strategic materials to drop 0.1 percent during the week ended September 13. The current index is 141.7 percent of the August, 1939, level, and is 0.3 percent below the high of 142.1 reached on August 23, this year. The index numbers of market prices of strategic and critical materials are:—

(August 1939=100)

1941.	Strategic.	Critical.
August 16	141.6	115.5
September 6	141.8	*117.0
September 13	141.7	117.1

* Revised.

Bids Wanted

Acetone:—6,000 gallons; Commanding Officer, Picatinny Arsenal, N. J.; procurement 535; opening September 30.

Aluminum:—18,100 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 491; opening September 22.

Bronze Powder:—1,200 pounds; Procurement Division, Treasury Department, Washington; invitation 887-S5; opening September 24.

—*Continued on page* 56

Magnesium Trial Set Back to September 29

Trial of the Aluminum Company of America and co-defendants on charges of monopolistic practices in the magnesium industry was deferred last week in Federal district court until September 29. The co-dependants include I. G. Farbenindustrie, the Dow Chemical Company, the American Magnesium Corporation and the Magnesium Development Company of Newark.

Price-Control Hearing Resumed in Congress

OPD Washington Bureau
September 18, 1941

Hearings on the price-control bill resumed this week before the house banking and currency committee with Price Administrator Leon Henderson continuing his testimony after a month's recess. Mr. Henderson urged early action on the measure, citing price increases during the past month as an indication of what to expect if control legislation is not enacted in the near future.

Chairman Henry Steagall, of Alabama, announced that following Mr. Henderson's testimony, he would call Bernard Baruch, chairman of the old War Industries Board; Marriner S. Eccles, chairman of the Board of Governors of the Federal Reserve System; and Secretary of the Treasury Henry Morgenthau.

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Chemical Prices Pushed Up

Upward movements, mainly in anticipation of the coming quarter, were more prevalent last week in the records of prices of chemicals and related materials. The variety was extensive and included a larger than usual proportion of heavy materials. In some instances the boosts faced the possibility of early repression by price ceilings. In some cases these changes were not made by all important suppliers.

Voluntary allocations became more in vogue, and there was a growing expectation that an official plan of allotting supplies would shortly replace the system of defense priorities. Premium bidding was common in the face of shrinking supplies, but this did not discover any substantial stocks.

Prices were advanced on acetic acid, chrome acetate, acetone, diacetone, butyl acetate and alcohol, ethyl acetate and acetoacetate, saltcake, metasilicate, sesquisilicate, sulphide, and tetraphosphate of soda, rubbermaker's sulphur, zinc chloride, zinc-ammonia chloride, ammonia and potash alums, nitrate and silicofluoride of barium, synthetic camphor, "silver label" gelatin, SD1 alcohol, whole milk powder, capric acid, soybean-oil acid, soapfats, gum rosin, extracts of quebracho and sumac, cassia oil, dried blood, tankage at Chicago, and cottonseed meal in the Southeast.

Prices were reduced on synthetic methanol, menthol, and a number of spices.

The result of the changes is shown in the *OPD Price Index* at the top of the column on the left.

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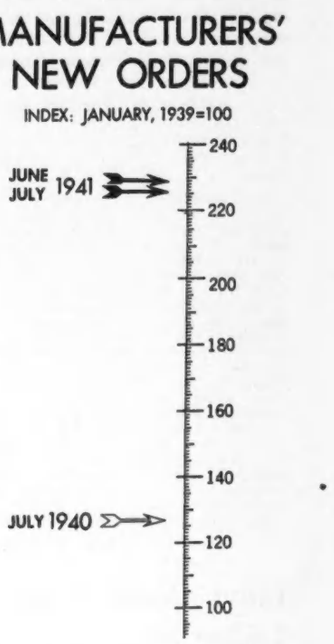
Acetic Ceiling Due This Week

Presstime reports from Washington September 19 were that price ceilings were imminent on glacial acetic acid and methanol. The prices will be submitted to Administrator Henderson Monday. It is expected that the level will be that of third-quarter quotations and certainly no higher.

Sales in Second Quarter

Sales of manufacturers, wholesalers, and retailers in the second quarter of this year ran well ahead of the values



for the corresponding period in 1940. Inventories also were above 1940 levels in all divisions at June 30.

Comparisons of interest in the chemical and related industries follow:—

Manufacturers' Shipments

	2d quarter
Chemicals and allied products	+38.7
Paper and allied products	+24.3
Petroleum refining	+19.6
Rubber products	+50.2
Textile mill products	+82.4

—*Continued on page 29*

U.S. to Buy Soviet Strategic Materials

OPD Washington Bureau
September 18, 1941

The Defense Supplies Corporation, a subsidiary of the Reconstruction Finance Corporation, has contracted to buy $100,000,000 of strategic materials, including manganese, chromite, asbestos, and platinum from Russia, Federal Loan Administrator Jesse H. Jones revealed last night. Deliveries of the materials will be spread over the next several years, but credits amounting to $50,000,000 against the purchase will be made available within the next few weeks in order to provide dollar exchange for the Soviet with which to buy munitions and other military supplies. The remaining $50,000,000, Mr. Jones said, will not be made available until deliveries are made of the materials purchased from Russia.

The action was taken, Mr. Jones said, at the request of President Roosevelt, who wrote to the loan administrator saying that "the Russian government needs dollar exchange with which to buy war supplies in the United States." The advance, he stressed, is not a loan, nor does it preclude the granting of a loan in the future.

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

The United States isn't in the war yet, but U. S. business is—meaning that we are operating under a war economy and are rapidly approaching industrial mobilization. The administration is quite provoked that the public doesn't take the defense emergency seriously enough, but business men are finding out by experience that that they can't operate as in peacetime. If they aren't under full wartime controls yet, they soon will be.

One form of control to be used with increasing frequency is allocation of materials usually accomplished through a GLO—general limitation order. The first one was on plastics, some weeks back, though it didn't have that title. It listed a lot of civilian uses for plastics in order of decreasing importance, and OPM "advised" producers to fill orders first for those at the top of the list, knowing that there would be little or nothing left for those in the bottom half. This idea will be carried further in allocating many chemicals and other materials.

Chemicals in OPM Shift

Reorganization is practically a continuous performance in OPM, and until the personnel gets shaken down into semipermanent jurisdictional niches there will be delay and confusion. For example, OPM hasn't officially decided whether it is going to have two chemical units or one. According to officials who should know, the plan is to merge the unit recently acquired from OPACS with the old one just transferred from the production division to the materials division, but the order to do this hasn't come out yet. The two units collaborated pretty well until the transfer talk started, but now jurisdictional doubts are holding up some plans for civilian allocation of chemicals.

'Drug Trust' Appeasement

A whitewash of Sterling Products, Inc., and its subsidiaries, Bayer and Winthrop Chemical, is the way some in the antitrust divisions of the Department of Justice view the recent consent decree against these companies on charges of conspiring with the German I.G. over Latin American business. The antitrusters thought they had a strong case and were still digging up evidence when the case was settled with a decree that barely slapped the companies on the wrist and a press release which almost praised the companies and made them out as unwilling tools of Hitler.

The grumblings of Arnold's men have led to sensational stories that the cause of it all is Tommy Corcoran, ex-Brain Truster, now practicing the kind of law in Washington that never requires a lawyer to write a brief or appear in court. "The Cork" has very good "connections" in the administration. It is said he has a brother in Sterling, was hired as special attorney for the company, and got the case settled by going over the heads of the anti-trust division directly to his buddy, Attorney-General Biddle.

Then Another Tax

New tax bill will be along in a couple of months and it may hit business harder than the one just passed, not in new taxes but in revision of old. Treasury will call it a "technical" or "administrative" bill, since its object will be to "clarify" many provisions of the internal revenue code, some of many years' standing. But business may find out that most of the clarifications will mean more revenue to the treasury. Some of the changes sought have been called "loopholes" by the treasury for years, but Congress has never seen fit to rewrite the law. In this class is the present income tax allowance for depletion of oil and mineral properties. Treasury will make a hard fight to repeal this allowance or reduce it greatly. Mineral extractive industries say the treasury proposal constitutes a capital levy and will ruin them by making it impossible to recover original investment if proceeds are considered all income and not depletion.

Chlorine Goes Whereabouts

Chlorine is one of those war mysteries, since the trade has difficulty learning why the army and navy need so much. A lot goes into ship degaussing cables, or the plastics to insulate them, but a lot is being stored up to make war gases. Poison gas is supposed to be outlawed in war, and hasn't been used in this war to date, but the army is going to be prepared if somebody else starts the business. Chlorine itself won't be used as such, for there are a lot of gases better—or worse, depending on the point of view—than chlorine gas used at the start of the old World War. But chlorine is essential in a manufacturing phase of producing the new war gases, though just what they are and how made is as secret as a bombsight. Also, as any chemist knows, chlorine is used in a hundred-and-one dozen manufacturing processes, most of which have been speeded up. So chlorine, one of the commonest of chemicals, is becoming one of the scarcest and more will be needed to make more magnesium.

Looking Into Livers

"Not on your liver!" may soon be a new slogan of the Food and Drug Administration, which is currently making a double barreled investigation of the habits, uses, and misuses of this important organ. F.D.A. is out gunning for (1) medicaments claiming to "tone up" or otherwise actuate the human liver when taken internally as per directions, and (2) preparations made out of the livers of the lower mammals and recommended for miscellaneous and sundry ailments of mankind. It thinks that liver for pernicious anemia is in one class, and preparations of, by, and for the liver for other miseries are in an entirely different class—and a very doubtful class, if any, at that. When its investigations are completed some drastic label changes may be "indicated," as the doctors put it.

Paint Protects Protectors

"Save the surface" may soon mean saving the surfacings for defense needs. OPM is now completing a survey of sales of paints, varnishes, and lacquers, and materials used therein. The object, presumably, is to slap on priorities or allocations so that scarce paint materials will be kept for defense needs no matter how badly civilians want to do a little touching up. Just about every kind of paint material is scarce and getting scarcer, and it is surprising how much paint is needed for defense. Ships, planes, tanks, guns, shells, bombs, all have to have protective coatings and when the purpose is camouflage, saving the surface may save all.

Simplifying Simplification

Simplification isn't so simple. OPM has found this out after trying several different schemes in the past few months. Idea is to save materials, labor, freight, and inventories by eliminating doo-dads from civilian goods, and cutting out slow-moving, unessential, and super-de luxe styles and models. Bureau of Standards has been preaching this for twenty years but never got far or, at least, wide, and the exigencies of defense haven't speeded the movement sufficiently to suit Donald Nelson, with whom it is

—*Continued on page* 31

Export Control Division Transferred

OPD Washington Bureau
September 18, 1941

President Roosevelt, by executive order, has transferred the Office of Export Control to the Economic Defense Board, headed by Vice-President Henry Wallace, it was announced last night. The move was taken in order to coordinate the efforts of the Export Control Division with those of the Economic Defense Board and the Supply Priorities and Allocations Board, all under the direction of the Vice-President.

Milo Perkins, formerly head of the Surplus Marketing Administration, has been named executive director of the EDB, and will replace General Russell Maxwell as chief of export control, Mr. Wallace announced.

In his first move following the transfer, the Vice-President ordered the EDB and SPAB to prepare "an action program under which we can step up total amounts of raw materials available to us." Explaining this action, Mr. Wallace said:—

We want to establish an 'ever normal stockpile' of critically needed metals and other materials, particularly those com-

—*Continued on page* 58

Duty Exemption Asked For Defense Imports

OPD Washington Bureau
September 18, 1941

Suspension of import duties on all "strategic and critical" materials, certified by the Federal Loan Administrator to be necessary for use in the defense effort and entered for the account of the Reconstruction Finance Corporation or any of its subsidiaries would be granted under terms of a bill (H.R. 5667) reported to the house for consideration by the banking and currency committee yesterday. The bill also provides for an increase in the amount of obligations which RFC may have outstanding at any one time by $1,500,000,000. The action was taken at the request of Federal Loan Administrator Jesse H. Jones.

While the suspension of duties on imports would extend only to strategic and critical materials procured

—*Continued on page* 58

LoBue Named to Post By Michigan Chemical

The Michigan Chemical Corporation, St. Louis, Mich., will open on October 1 an Eastern branch office at 15 Exchange Place, Jersey City, N. J., with Phil LoBue as its manager, according to John L. Giles, vice-president and general manager of the corporation. Telephone number of the new office is Bergen 4-1716.

The Michigan Chemical Corporation,

Phil LoBue

founded in 1935, manufactures bromine, major bromides and the minor bromides of calcium, strontium, barium, ethyl and methyl, as well as U.S.P. soda chloride.

Phil LoBue, the new Eastern office head, was educated at Cooper Union

—*Continued on page* 47

Chemical Workers And Payrolls Gain

Employment Up 1.5 Percent—Payrolls Gain 10.3 Percent—Both Are Above 1940 Figures

Employment in factories engaged in the manufacture of chemicals and related products in the United States noted an increase of 115 percent from June 15 to July 15, according to the Bureau of Labor Statistics. At the end of the monthly period employment was 10.3 percent above the corresponding level of 1940. Payrolls showed an advance of 1.4 percent from June 15 to July 15, and stood 30.4 percent above corresponding level for 1940.

The Bureau of Labor Statistics index number for factory employment in the chemical group of industries July 15 was 137.8 (100 equals 1923-25 average), compared with 135.8 for June 15 and 118.5 for July 15, last

—*Continued on page* 33

Boston Distribution Conference October 6

The thirteenth annual Boston Conference on Distribution will be held in the Hotel Statler, Boston, October 6-7. The conference is sponsored by the Retail Trade Board of the Boston Chamber of Commerce, in cooperation with the Harvard University Graduate School of Business Administration, Boston University College of Business Administration and the

—*Continued on page* 52

Kroeger Ass't Sales Head Of Monsanto Intermediat

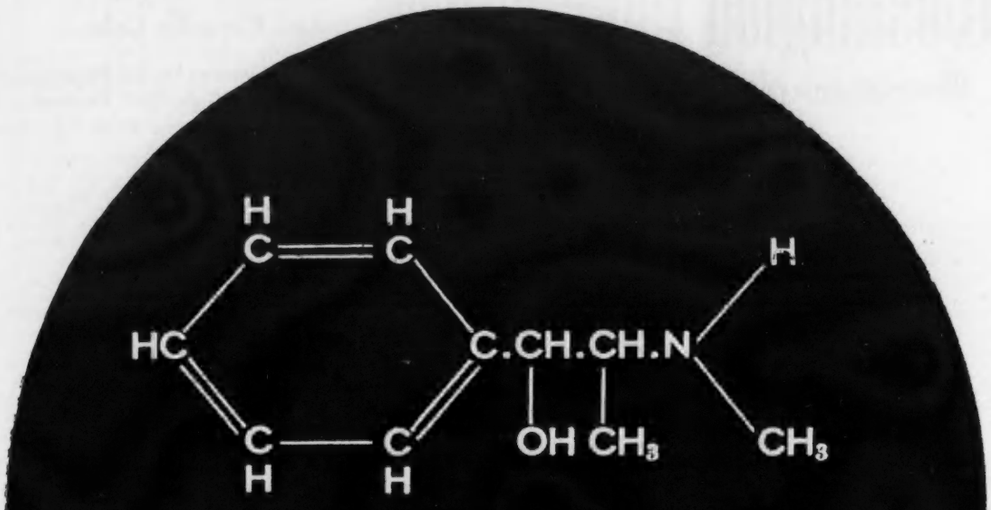
Arthur P. Kroeger has been promoted from assistant general branch manager of the Los Angeles office of Monsanto Chemical Company to assistant manager of sales in charge of intermediates, with headquarters in St. Louis. Charles L. Fetzner has been transferred from the San Francisco office of the company to the Los Angeles office as assistant general branch manager to replace Mr. Kroeger.

Mr. Kroeger joined Monsanto in 1929 as a chemist in its rubber service department in Akron, Ohio, working part time while finishing his last two years toward a degree in chemistry from the University of Akron. In 1934 he was sent to Japan and China where he sold Monsanto rubber chemicals and did technical service work. Returning to this country in 1935, he was transferred from the rubber service department to the organic chemicals division and was sent to the company's San Francisco office. When Monsanto's Los Angeles branch was

Arthur Kroeger

opened in 1937 he was sent to that location as assistant general branch manager.

Mr. Fetzner started with Monsanto in 1919 as office boy and held various positions in the sales department at St. Louis until 1925 when he was transferred to the Chicago branch



Merck EPHEDRINE

MERCK Ephedrine, *identical with the natural alkaloid,* is officially recognized by the United States Pharmacopoeia and establishes an independence of the foreign source of supply for American consumers. Pharmacologic and clinical tests have proved that its action and therapeutic effects are identical with those of the naturally-occurring product.

Merck Ephedrine is available in the form of the hydrochloride and sulfate for use in powder, capsules, nasal jellies, aqueous solutions for topical application to mucous membranes or as nasal sprays, and as the alkaloid for solution in light liquid petrolatum.

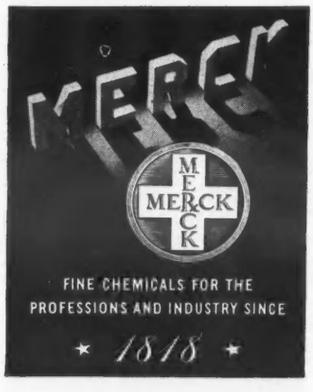
Merck Ephedrine is available in the following forms:

- Ephedrine Alkaloid Anhydrous U. S. P.
- Ephedrine Alkaloid U. S. P. (Hemihydrate) Water content 5.17%
- Ephedrine Hydrochloride U. S. P.
- Ephedrine Sulfate U.S.P. Crystals and Powder

Literature on Request

RACEMIC EPHEDRINE IS AVAILABLE AS:

- Racemic Ephedrine Alkaloid
- Racemic Ephedrine Hydrochloride
- Racemic Ephedrine Sulfate



MERCK & CO. Inc. *Manufacturing Chemists* RAHWAY, N. J.

NEW YORK • PHILADELPHIA • ST. LOUIS • *In Canada:* Merck & Co. Ltd., Montreal and Toronto

RECEIVED SEP 28 1941 LIBRARY THE CHEMISTS CLUB

Current Market Quotations

September 19, 1941

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

Defense Status of Materials

Application of SPAB regulations to materials listed below is indicated by superior figures as follows:—[1] Price Ceiling; [2] Price Suggestion or Agreement; [3] Full Priority Control; [4] Inventory Control; [5] General Limitation Order; [6] Critical List (Army and Navy Munitions Board).

A

Acacia (see Gum, arabic).
Acetal, cbys., works....lb. 1.00 - 1.50
Acetaldehyde, 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works....lb. .38 - —
100-lb. lots, works....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works....lb. .30 - —
100-lb. lots, works....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots....lb. .33 - —
dms., 25-lb lots....lb. .38 - —
kgs., 2,000-lb. lots....lb. .33 - —
smaller lots....lb. .34 - —
powd., bbls., 2-000-lb. lots..lb. .30 - —
smaller lots....lb. .31 - —
dms., 25-lb. lots....lb. .36 - —
kgs, 2,000-lb. lots....lb. .31 - —
smaller lots....lb. .32 - —
Acetoacetanilide, dms....lb. .47 - .65
Acetone, CP,[2,6] dms., c.l., dlvd..lb. .08½- .09½
l.c.l., dlvd....lb. .09 - .10
tanks, dlvd....lb. .07 - .08
Methyl (see M)
Acetonitrile, dms., works....lb. 1.00 - 2.00
Acetophenone, cns., dms....lb. 1.55 - 1.60
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs., dms....lb. 1.08 - —
25 lbs., dms....lb. 1.10 - —
Acid, abietic, dms., o..., f.o.b. all points in U.S. E. of and including Kans., Neb., N.D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms....lb. .09 - .12
Acetic,[2] com'l or redist., 28%, bbls..100 lbs. 3.18 - 3.43
cbys., cs....100 lbs. 3.68 - 3.93
56%, bbls....100 lbs. 5.18 - 5.43
cbys., cs....100 lbs. 5.68 - 5.93
70%, bbls....100 lbs. 6.19 - 6.44
cbys., cs....100 lbs. 6.69 - 6.94
80%, bbls....100 lbs. 6.91 - 7.16
cbys., cs....100 lbs. 7.41 - 7.66
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls....100 lbs. 8.50 - 8.55
cbys. ....100 lbs. 8.80 - 9.05
tanks ....100 lbs. .10 Nom.
USP, bbls....100 lbs.10.25 -10.50
cbys. ....100 lbs.10.75 -11.00
synth., 99.5%, al. dms.100 lbs. 8.43 - 8.68
tanks ....100 lbs. 6.50 - —
USP XI, al. dms...100 lbs.10.25 -11.00
CP, dms....100 lbs.13.50 -14.00
pure, 30%, bbls....100 lbs. 4.23 - 4.48
cbys.. cs....100 lbs. 4.73 - 4.98
36%, bbls....100 lbs. 4.61 - 4.86
cbys., cs....100 lbs. 5.11 - 5.36
60%, bbls....100 lbs. 7.17 - 7.42
cbys., cs....100 lbs. 7.67 - 7.92
80%, bbls....100 lbs. 8.70 - 8.95
cbys., cs....100 lbs. 9.20 - 9.45

Acetic acid price differentials above are for c.l. and l.c.l. quantities, the prices apply delivered within the Metropolitan zones of stock carrying points, and f.o.b. these points for shipment beyond.

Acetic, anhydride,[2] dms., c.l., frt. alld..lb. .11½- —
l.c.l., dms., frt. alld....lb. .13 - —
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls.lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls. lb. .40 - —
Adipic, fib. dms., works....lb. .31 - —
Anthranilic, refd., bbls....lb. 1.15 - 1.20
tech., bbls....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic, bots., dms....oz. 1.85 - 2.10
Battery, cbys., c.l., E. works. 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works. 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs....lb. .44 - —
900 lbs. or less....lb. .47 - —
USP, bbls., 4,000 lbs. or more. lb. .54 - —
1,000 to 3,900 lbs....lb. .55 - —
900 lbs. or less....lb. .58 - .59
dms., 4,000 lbs. or more...lb. .55 - .56
1,000 to 3,900 lbs....lb. .56 - .57
99 lbs. or less....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex-whse...ton.108.00 - —
less than ton lots, ex whse..ton.118.00 - —
Acid, boric, tech., 99.5%, gran., bbls., c.l., frt. alld..ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.128.00 - —
powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse..ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse..ton.123.00 - —
less than ton lots, ex whse..ton.128.00 - —
USP, $26 per ton higher
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis....lb. .23 - —
tanks, same basis....lb. .21 - —
Broenner's, bbls.... ....lb. 1.11 - —
Camphoric, cns....lb. 6.95 - 7.00
Capric, dms....lb. .19¾- .20¼
Caproic, dms., works....lb. .25 - .30
Caprylic, dms....lb. .27 Nom.
Castor oil, split, dms....lb. .17½- .18
Chlorosulphonic, dms., c.l., wks. lb. .03 - —
5-drum lots, works....lb. .03½- —
single drum....lb. .04½- —
tanks, works....lb. .02½- —
Chromic,[2,5] 99%, dms., c.l., dlvd. N. Y..lb. .16¼- —
l.c.l., 5 tons, dlvd. N.Y. lb. .16¾- —
smaller quantities, dlvd. N. Y..lb. .17¼- .18¼
Cinnamic, refd., bots....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20¼- —
smaller lots....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., one shipt..lb. .23 - —
smaller lots....lb. .23½- .26½

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N.Y.

Cleve's, bbls....lb. .65 - —
Coconut oil, dist., dms....lb. .16¾- .17¼
Cottonseed oil, dist., dms....lb. .14 - .14½
tanks ....lb. .13½- —
Cresylic (coaltar),[6] high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
special blends (50, 210°-215°), dms., c.l., works frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
imported, pale, dms...gal. No price
Cresylic (petroleum), high-boil (240°-300°), 20 or more dms., works..gal. .61 - —
1-19 dms., works....gal. .63 - —
tanks, dlvd., East. U.S.gal. .58 - —
medium-boil (222°-249°), 20 or more dms., works.gal. .67 - —
1-19 dms., works....gal. .69 - —
tanks, dlvd., East U.S.gal. .64 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 cbys. and over..lb. .11 - —
1-24 cbys....lb. .11½- —
Fumaric, tech., special, bbls., ton lots..lb. .27 - —
smaller lots, bbls., dms...lb. .28 - —
Gallic, tech., bbls....lb. 1.05 - 1.08
NF VI, bbls., 200 lbs., 5 or more..lb. 1.22 - —
smaller lots....lb. 1.25 - —
fib. dms., 25 lbs....lb. 1.29 - —
Gamma, bbls....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs....lb. .15 - —
25 or 50-lb. demij....lb. .21 - .23
5-lb. bots....lb. .29 - —
H. bbls....lb. .45 - —
Hydriodic, 45-47%, cbys....lb. 2.42 - 2.44
5-lb. bots....lb. 2.57 - —
57%. bots....lb. 2.90 - —
Hydrobromic, 10% dilute, cbys., lb. .20 - —
concentrated, 34%, cbys....lb. .35 - —
Hydrochloric (see Muriatic)
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls....lb. .06 - .06½
rubber, dms....lb. .08 - .08½
48%, lead, cbys....lb. .12 - —
rubber, dms....lb. .11 - —
52%, lead, cbys....lb. .13 - —
rubber, dms....lb. .12 - —
60%, lead, cbys....lb. .14 - —
rubber, dms....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09¼
Acid, hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works....100 lbs. 2.75 - —
cbys., works...100 lbs. 2.75 - —
44%, bbls., c.l., works.... 100 lbs. 5.50 - —
l.c.l., bbls., works.... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.25 - —
44%, bbls., c.l., works... 100 lbs. 6.50 - —
l.c.l., works....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11½
5 to 19 cbys....lb. .11 - .12
1 to 4 cbys....lb. .11½- .12½
plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13½
5 to 10, cbys....lb. .12¾- .13¾
1 to 4, cbys....lb. .13¼- .14½
80%, bbls., cbys., 5 or more.lb. .21 - .22
1 to 4, cbys....lb. .21½- .22¼
USP, XI, 85%, cbys....lb. .42 - .45
USP. VIII, 75%, cbys....lb. .40 - .43
Lauric, dist., tech., dms....lb. .18¼- .18¾
Laurent's, bbls....lb. .45 - —
Linseed oil, light, dms....lb. .17 - .17½
Maleic, powd., dms....lb. .30 - —
anhydride, dms., c.l....lb. .25 - —
l.c.l. ....lb. .26 - —
Malic, powd., kegs....lb. .47 - —
Mandelic, dms., 1,000 lbs....lb. 2.05 - —
smaller lots....lb. 2.10 - 2.15
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit....lb. .0085- .009
Molybdic, kegs, works....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E., works..100 lbs. 1.50 - —
l.c.l., 25 and over E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works....100 lbs. 1.05 - —
20°, cbys., c.l., E. works. 100 lbs. 1.75 - —
l.c.l., 25 and over, works. 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works....100 lbs. 1.15 - —
22°, cbys., c.l., E. works. 100 lbs. 2.25 - —
l.c.l., 25 and over, works. 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works....100 lbs. 1.65 - —
CP, dealers, cbys....lb. .06½- —
6-lb. bots....lb. .17¼- —
consumers, cbys....lb. .06 - —
6-lb. bots....lb. .19 - —
Myristic, dist., dms....lb. .18 - .18½
Naphthenic, dom., acidity 160 dms., c.l., works..lb. .06½ Nom.
l.c.l., works....lb. .07 Nom.
tanks, works....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works....lb. .09½ Nom.
tanks, c.l., works....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works....lb. .10½ Nom.
tanks, works....lb. No prices
Nicotinic, 100-lb. cns....lb. 7.15 - —
50-lb. cns....lb. 7.25 - —
25-lb. cns....lb. 7.30 - —
5-lb. bots....lb. 7.46 - —
1-lb. bots....lb. 7.50 - —
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works. 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works. 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works. 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
CP, USP, dealers, cbys....lb. .11½- —
7-lb. bots....lb. .21½- —
consumers, cbys....lb. .13 - —
7-lb. bots....lb. .23 - —
Oleum (see sulphuric fuming).

Acacia—Acrylonitrile

Acid, oxalic, dom., bbls., c.l., works..lb. .11¼- —
10,000 lbs. or over....lb. .11½- —
smaller quantities....lb. .12½- .14½
Palm oil, white, dist., dms..lb. .13¾- .14¼
tanks ....lb. .13¼- —
Paramnobenzoic, cns....lb. 1.40 - —
Paranitrobenzoic, cns....lb. .72 - —
Phenylacetic, bots....lb. 1.45 - 1.95
Phosphoric, 50%, pure food grade, c.l., bbls., works, frt. equald.... 100 lbs. 4.00 - 4.25
cbys., works, frt. equald. 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, works, frt. alld..100 lbs. 5.25 - 6.25
1 to 9 cbys., works, frt. alld..100 lbs. 6.25 - 7.25
tankwagons, dlvd., N.Y., Phila. Met. area.... 100 lbs. 4.00 - —
75% pure food grade, c.l., bbls., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., works, frt. equald. 100 lbs. 5.10 - 5.35
l.c.l., 10 or more, works, frt. alld..100 lbs. 7.00 - 8.50
1 to 9 cbys., works, frt. alld..100 lbs. 8.00 - 9.50
tankcars, works, frt. equald..100 lbs. 4.00 - 4.25
tankwagons, dlvd., N.Y., Phila. Met. area.... 100 lbs. 4.75 - —
USP, 85%, s. g., 1,710 cbys., 180 lbs..lb. .12 - —
50%, s. g., 1,347, cbys., 70 lbs..lb. .10¾- —
dms., 25 lbs....lb. .13 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs....lb. .65 - .70
Picric, bbls ....lb. .35 - —
Propionate, synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.35 - —
cns. ....lb. 1.63 - —
USP, cryst., cns....lb. 2.00 - —
resub., cns....lb. 2.50 - —
Pyroligneous, bbls., dlvd. Bgal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., works....lb. .32 - .37
Salicylic, tech., bbls....lb. .33 - —
USP, bbls....lb. .35 - .38
Sebasic, CP, bbls., works....lb. No prices
tech., bbls., works....lb. No prices
Soybean oil, dist., dms....lb. .17½- .18
Stearic, dist., double pressed, bgs., dlvd..lb. .14½- .15¼
single pressed, bgs., dlvd..lb. .13¾- .14¾
triple pressed, bgs., dlvd...lb. .17 - .18
saponif., double pressed, bgs., dlvd..lb. .14½- .15½
triple pressed, bgs., dlvd..lb. .17¼- .18¼
Succinic, bbls....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works....lb. .17 - —
Sulphonaphthenic, dms....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E., works....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E., works....ton.16.50 - —
98°, tanks, works....ton.17.50 - —
CP, USP, dealers, cbys....lb. .06½- —
9-lb. bots....lb. .15½- —
consumers, cbys....lb. .08 - —
9-lb. bots....lb. .17 - —
fuming, 20%, tanks, E. works. ton.18.50 - —
Tannic, tch., bbls., dms....lb. .66 - .68
USP, fluffy, bbls., 1,000-lb. lots..lb. 1.13 - —
100-lb. lots....lb. 1.15 - —
25-lb. lots....lb. 1.18 - —
powd., bbls., 1,000 lbs....lb. 1.03 - —
smaller lots....lb. 1.05 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipt...lb. .70½- —
smaller quantities....lb. .71 - —
kgs. ....lb. .71½- —
Tobias, bbls....lb. .55 - .60
Trichloracetic, bots....lb. 2.00 - 2.50
Tungstic, CP, kgs., works...lb. No prices
Aconite, leaves, bls....lb. .38 - .42
Root, bls....lb. 1.10 - 1.15
Aconitine, amorph., bots....oz.23.00 -28.00
15-gr. vials....vial. 1.00 - —
cryst., bots....oz.42.00 - —
15-gr. vials....vial. 1.60 - —
Acrylonitrile, dms., c.l....lb. .34½- —
5,000 lbs. or more....lb. .35 - —
1 ton to 4,999 lbs....lb. .35½- —
1 dm. to 1 ton....lb. .36 - —
tank cars....lb. .34 - —

Adeps Lanae—Bentonite

Adeps lanae, anhyd., dms.....lb. .19 - .20
hyd., dms.....lb. .17 - .18
Agar, 1 bls.....lb. 2.00 Nom.
Agaric, white, bls.....lb. No stocks
Albumen, blood, dark, flake, c.l., f.o.b. Chicago, frt. alld..lb. .10 - —
ton lots, frt. alld.....lb. .12 - —
bgs., same basis.....lb. .13 - .15
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .65 - .75
import. bgs.....lb. No prices
Egg, ed., dom., cryst., bbls..lb. 1.70 - 1.75
powd., dms., bbls.....lb. 1.75 - 1.80
import, cs.....lb. 1.70 - 1.75
Alcohol, amyl (see also Fuse oil, refd.), ex pentane, u. s., c.l., frt. alld..lb. .131 - —
l.c.l., frt. alld.....lb. .141 - —
tanks, frt. alld.....lb. .121 - —
normal, dms., l.c.l., works..lb. .25 - —
Tertiary, refd., dms., l.c.l., frt. alld..lb. .09 - —
Benzyl, cns.....lb. .65 - .75
drums.....lb. .63 - —
Butyl, normal,[2] dms., c.l., frt. alld..lb. .11 - .12
l.c.l., frt. alld.....lb. .11½ - .12½
tanks, frt. alld.....lb. .10 - .11
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .09 - —
l.c.l., same terms.....lb. .09¼ - —
tanks, same terms.....lb. .08 - —
tertiary, denaturing, c.l., dms. lb. .12½ - —
l.c.l., dms.....lb. .13 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
Cinnamic, hots.....lb. 2.80 - 3.40
Denatured,[1,2,5] CD14, dms., c.l., dlvd., E..gal. .38½ - —
l.c.l., dlvd., dms.....gal. .43½ - —
tanks, E., dlvd.....lb. .32½ - —

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

Alcohol, SD1 190 pf., bbls., c.l., E. works..gal. .35½ - —
19 bbls., E. works..gal. .37½ - —
1 to 18 bbls., E. works..gal. .40½ - —
dms., c.l., E. works..gal. .33½ - —
19 dms., E. works..gal. .35½ - —
1 to 18 dms.....gal. .38½ - —
tanks, E. works.....gal. .27½ - —

Anhydrous 3c. per gal. higher.

SD2B, dms., c.l., works, E. gal. .30½ - —
19 dms., works, E...gal. .32½ - —
1 to 18 dms., works, E. gal. .35¼ - —
tanks, E. works.....gal. .24½ - —
SD23G, works, E., c.l., dms., gal. .36½ - —
19 dms.....gal. .38½ - —
1 to 18 dms.....gal. .41½ - —
tanks.....gal. .30½ - —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.

SB23H, works, c.l., dms..gal. .34 - —
19 dms.....gal. .36 - —
1 to 18 dms.....gal. .39 - —
tanks.....gal. .28 - —
Special solvent, dms., c.l., works..gal. .34 - —
20 dms., to c.l.....gal. .36 - —
1 to 19 dms.....gal. .39 - —
tanks, E. works.....gal. .28 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., dlvd..lb. .11½ - .13
l.c.l., dlvd.....lb. .12 - .13½
tanks, dlvd.....lb. .10½ - .12
tech., dms., c.l., dlvd.....lb. .11 - .12
l.c.l., dlvd.....lb. .11½ - .12½
tanks, dlvd.....lb. .10 - .11
Ethyl, 190 pf., ex. molasses, dms., c.l..gal. 6.02½ - —
19 dms.....gal. 6.06 - —
5 to 8 dms.....gal. 6.09 - —
1 to 4 dms.....gal. 6.09 - —
tanks.....gal. 5.96½ - —
absolute, dms., c.l.....gal. 6.37½ - —
19 dms.....gal. 6.41 - —
5 to 18 dms.....gal. 6.44 - —
1 to 4 dms.....gal. 6.44 - —

Ethyl alcohol in bbls. 2c. higher than dms.

Grain alcohol 25c. gal. higher.

Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl (see Carbinol Isobutyl).
Isobutyl, refd., dms., works..lb. .0860 - —
tanks, same terms...lb. .0760 - —
Isopropyl,[2] refd., 91%, dms., 5 gals., f.o.b. dest..gal. .66½ - —
55 gals., c.l., same basis, gal. .35 - —
l.c.l., same basis...gal. .40 - —
tanks, frt. alld.....gal. .30 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .38 - .44
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37½
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .69 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .67 - .70
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N.Y..lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b. Cedar Rapids, Ia., lb. .55 - —
Aldehol, denat., grade., dms., tanks, works..gal. .70 - .72
Aldehyde, bisulphite, bbls., works, lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 55 and 110 gal. dms., c.l., works..lb. .12 - —
l.c.l., works.....lb. .13 - —
5-10-gal. dms., works...lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .67 - .69
Allspice, Mexican, bgs.....lb. .11½ - .12
Alpha tocopherol, ampules, per gram. 1.00 - 1.10
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .68 - .70
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .58 - .60
Aloin, 140-lb. bbls.....lb. 4.60 - —
100-lb. kgs.....lb. 4.62 - —
25-lb. fib. dms.....lb. 4.69 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. 1.20 Nom.
Alum, ammonia, burnt, USP., bbls., kgs..lb. .16 - .18
gran., bbls., works...100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd., N.Y. price apply to truck or ex warehouse.

Potash, gran., bbls., works.... 100 lbs. 4.25 - —
dlvd., N. Y., Phila...100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phila...100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
dlvd., N. Y., Phila...100 lbs. 4.65 - —

Potash alum prices on same basis as those for ammonia alum.

Potash, chrome, bbls.....lb. No prices
Soda, bbls., c.l., works...100 lbs. 3.25 - —
dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 1 to 9, dlvd.....lb. .40 - —
smaller containers...lb. .50 - —
solut., 24%, l.c.l., 10 or over, dlvd..lb. .09½ - —
1 to 9, dlvd.....lb. .10 - —
normal, solut., 20%, bbls., l.c.l., 10 or over, dlvd., lb. .08½ - —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 375 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½ - .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾ - —
l.c.l., works.....lb. .03¼ - —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290 - —
l.c.l., bbls., works....lb. .03¼ - —
bgs., c.l., works.....lb. .0260 - —
light, bgs., c.l., dlvd.....lb. .14 - —
l.c.l., bgs., dlvd.....lb. .14½ - —
bbls., c.l., dlvd.....lb. .14½ - —
l.c.l., bbls., dlvd.....lb. .15 - —
Oleate, dms., contract.....lb. .17½ - —
open order.....lb. .17½ - .20
Palmitate, precip., bbls.....lb. .20½ - .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .21 - —
l.c.l.....lb. .22 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled, 100 lbs. 1.60 - —
iron free, bgs., c.l., works, 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.10 - —
bbls., c.l., works....100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.30 - —
Aluminum, 98-99%,[2,3,4] c.l.....lb. .17 - —
l.c.l.....lb. .18 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .60½ - —
ink, dms., 1,500 lbs.....lb. .70½ - —
standard, dms., 1,500 lbs...lb. .87½ - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .91 - —
standard, dms., 1,500 lbs.lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1,500 lbs.lb. .39 - —
rubber compound, dms., 1,500 lbs..lb. .38 - —
unpolished, dms., 1,500 lbs., lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .41 - —
extra fine, dms., 1,500 lbs.lb. .43 - —
standard, dms., 1,500 lbs.lb. .38 - —

Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb lower. Trasnportation allowed East of Mississippi.

Ambergris, gray, tins.....oz. 17.00 - 18.00
Aminomethylpropanol, dms., wks., lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.25 - —
Ammonia aldehyde, dms., works, lb. .65 - .70

Anhydrous[6], fertilizer, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va..ton. 90.00 - —
refrigeration[6], tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y., lb. .16 - —

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.....lb. .05¼ - —
dms., c.l.....lb. .02½ - —
l.c.l.....lb. .02½ - —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .43 - —
1,000 lbs. to 3,900 lbs....lb. .44 - —
900 lbs. or less.....lb. .47 - —
Bicarbonate, dms., dlvd. Met. N.Y..lb. .0564 - .0614
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .15½ - .17
Borate, bbls., kgs.....lb. .15 - .16
Ammonium, Bromide, gran., bbls. lb. .31 - .35
bxs.....lb. .34 - .38
kegs.....lb. .32 - .36
Carbonate, lump, dms., dlvd. Met. N. Y..lb. .08¾ - .09¼
cns., same basis.....lb. .14¾ - —
powdered, lc. per lb. higher.
Chloride, tech. (see Ammoniac, sal.).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
25-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .20 Nom.
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars.....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars.....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., works.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .23 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs, dom.....lb. .21 - .28
Phosphate, dibasic, NF V, bls. lb. .37 - —
kgs.....lb. .39 - —
tech., bbls., c.l.....lb. .07¼ - —
l.c.l.....lb. .08¾ - .09¼
monobasic, crude (fert. grade), 11% N., 48% phos., bulk, f.o.b. E. works..unit-ton. No prices
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼ - —
l.c.l.....lb. .08¾ - .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½ - .15
Stearate, anhydrous.....lb. .24½ - —
paste.....lb. .06½ - —
Sulphate[2], dom., bulk, c.l., contr., f.o.b. cars, ports, July-Dec. shipt..ton. 29.00 - —
spot, same basis.....ton. 30.00 - —

Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.

Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., works, lb. .07½ - —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½ - —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, C.P., dms....lb. .45 - .55
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
import, cska.....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½ - .13½
l.c.l., dlvd.....lb. .13 - .14
tanks, dlvd.....lb. .11½ - .12½
cns., works.....lb. .18 - .19
ex Pentane, dms., c.l., frt. alld..lb. .12½ - —
l.c.l., frt. alld.....lb. .13½ - —
tanks, frt. alld.....lb. .11½ - —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caporate, cns.....lb. 2.75 - —
Chlorides, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .07 - —
tanks, works.....lb. .05 - —
Naphthalenes, mixed, crude, l.c.l., dms., works..lb. .14 - —
refd., l.c.l., dms., works..lb. .16 - —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, 5-lb. bots.....lb. .63 - .65
cns..lb. .55 - .60
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.25 - 1.60
cans.....lb. 1.15 - 1.50
Angelica root, dom., bls.....lb. .50 - 1.75
import., natural, bls.....lb. 1.60 - 1.65
Angostura bark, bls.....lb. .30 - .35
Anilin oil, dms.....lb. .15 - —
l.c.l.....lb. .16 - —
tanks.....lb. .14½ - —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .37 - .38
Cyprus, bgs.....lb. .40 - .42
Star.....lb. .18½ - .19
Turkish, afloat, bgs.....lb. .33 - .35
Anisic aldehyde, bots.....lb. 2.75 - 2.80
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[2,4,6] spot.....lb. .14 - —
Needle, brown, Bolivian, 67%, lb. .17 - .18
Chinese, black, 70%.....lb. .22 Nom.
Oxide, bgs., c.l.....lb. .13 - .15
l.c.l.....lb. .14½ - .16½
Salt, 65%, dms., dlvd. E. of Miss. River..lb. .33 - —
bbls., same basis.....lb. .31 - —
White pigments, bgs.....lb. .11½ - .14½
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz. 23.20 - 23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .15 - .16
Arecoline hydrobromide, bots..oz 6.00 - 7.25
Argols, test 70% to 85%, basis 100%, 100 kgm., purity..... 100 kilos. No prices
Arnica flowers, bls.....lb. 5.00 Nom.
Root, bls.....lb. 1.50 Nom.
Arrowroot, St. Vincent, powd., bgs..lb. .10¼ - .10¾
bbls.....lb. .10 - .10½
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.53 - —
jars.....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l.....lb. .04¾ - —
Asafetida, cs.....lb. .45 - .50
powd., bbls., bxs.....lb. .68 - .73
Asbestine (see Talc, N.Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton. 42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton. 40.00 - —
6D, bgs., c.l. (50 tons), Canad. mines..ton. 30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton. 26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton. 24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton. 20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton. 17.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton. 15.00 - —
Asphaltum, Manjak No. 10, crude, 20 tons, f.o.b. plant..lb. .04½ - —
smaller lots, f.o.b. plant, lb. .05½ - —
process form, bgs., 20 tons, f.o.b. plant..lb. .05 - —
smaller lots, f.o.b. plant, lb. .06 - —
California, dms., c.l., f.o.b. N.Y. ton. 20.00 - —
l.c.l., f.o.b. N. Y.....ton. 36.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y., ton. 60.00 - —
l.c.l., f.o.b. N. Y.....ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton. 35.00 - —
l.c.l., f.o.b. N. Y.....ton. 55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y., lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, selects, bgs., c.l., Western shipt. point..ton. 32.90 - —
seconds, bgs., c.l., Western shipt. points..ton. 25.50 - —
selects, bgs., c.l., Western shipt. points..ton. 30.50 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton. 58.00 - —
jet, bgs., c.l., Western shipping points..ton. 30.50 - —
Mexican, Texas, dms., c.l., refinery..ton. 19.00 - —
l.c.l., refinery.....ton. 21.00 - —
tanks, refinery.....ton. 16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton. 12.50 - 14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½ - —
N. Orleans, refinery...gal. .09 - —
Atropine, bots.....oz. 16.50 - —
Sulphate, bots.....oz. 12.75 - —

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .55 - .60
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton. 43.00 - —
precip., bgs., c.l., works..ton. 47.50 - —
l.c.l., works.....ton. 52.50 - —
bbls., c.l., works.....ton. 52.50 - —
l.c.l., works.....ton. 57.50 - —
Sulphur-free, c.l., works..ton. 50.00 - —
l.c.l., works.....ton. 55.00 - —
Chlorate, kgs.....lb. No prices
Chloride, CP, cryst., bbls.....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line.....ton. 77.00 - —
bbls., same basis...ton. 79.00 - —
l.c.l., bgs., same basis, ton. 90.00 - —
bbls., same basis..ton. 92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton. 81.00 - —
bbls., same basis..ton. 83.00 - —
l.c.l., bgs., same basis, ton. 94.00 - —
bbls., same basis...ton. 96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton. 87.00 - —
bbls., same basis..ton. 89.00 - —
l.c.l., bgs., same basis, ton. 100.00 - —
bbls., same basis..ton. 102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton. 83.00 - —
bbls., same basis..ton. 85.00 - —
l.c.l., bgs., same basis, ton. 96.00 - —
bbls., same basis..ton. 98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, 50's.....lb. 4.77 - —
jars.....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .10½ - —
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .15 - .17
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½ - .10
kgs.....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton. 25.15 - —
l.c.l., same basis.....ton. 28.15 - —
paper bags, c.l., St. Louis, ton. 22.85 - —
l.c.l., same basis.....ton. 23.85 - —
ex whse., New York...ton. 31.50 - —
Southern, off color, bgs., mines, ton. 16.00 - —
95.75%, bgs., mines.....ton. 16.50 - —
ore, bulk, mines.....ton. 8.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock, t.a..ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk, mines.....ton. 7.00 - 10.00
Bay leaves (see Laurel leaves).
Bay Rum, tax extra, import, bbls..gal. .77½ - .78½
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. 2.40 - 2.45
Root, bls.....lb. 2.40 Nom.
Bentonite, 200 mesh, bgs., Wyo., works, ton. 16.00 - —
325 mesh, bgs., Wyo., works, ton. 16.00 - —

When your doctor orders a complete set of X-Ray negatives for the diagnosis of an abdominal ailment, he will also probably prescribe National's Neo Tetradol to opaque the gall bladder so it will be sharply defined on the X-Ray film.

For the ramifications of National Technical Service extend into many fields . . . the development of the most widely used line of Biological Stains and Indicators meeting the uncompromising demands of the medical profession . . . a most complete line of Certified Colors fulfilling the exacting requirements of the pharmaceutical, food and cosmetic trades . . . the production of basic organic chemicals for the rapidly expanding plastic and lacquer industries . . . and the production of the leading synthetic detergent that has revolutionized industrial cleaning . . . and

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Benzaldehyde—Cell. Acetate

Benzaldehyde, tech., cbys., dms., lb. .45 - .55
N.F. VI, dms., 50 to 100 lbs. lb. .85 - —
5 to 25 lbs. lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls. lb. .70 - —
Benzocaine, cns. lb. 3.00 - —
Benzol, 90%, dms., returnable, works. gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo. gal. .14 - —
Benzophenone, dms. lb. 1.00 - 1.10
Benzoyl chloride, cbys. lb. .28 - .38
Peroxide, pure, gran., fib. ctns., works. lb. 1.95 - —
Benzyl acetate, f.f.c., cns. lb. .52 - .55
dms. lb. .48 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cns. lb. .85 - 1.10
dms. lb. .80 - —
Chloride, cbys., frt. equald. lb. .22 - .24
Cinnamate, cns. lb. 5.25 - 5.50
Formate, cns. lb. 2.40 - 2.75
Isoeugenol, bots. lb. 9.55 - —
Propionate, bots. lb. 2.00 - 2.25
Salicylate, bots. lb 1.65 - 1.75
Benzylidineacetone, bots. lb. 2.20 - 2.50
Berberine bisulphate, cns. lb.17.75 -27.50
Hydrochloride, cns. lb.17.75 -27.50
Sulphate, cns. lb. .12 - .18
Berberis root, bls. lb. — - —
Betanaphthol, sublim., kgs. lb. .55 - —
tech., bbls., c.l., works. lb. .23 - —
l.c.l., bbls., works. lb. .24 - —
Benzoate, fib. dms. lb. 2.50 - —
kgs. lb. 2.70 - —
Betanaphthylamine, tech., kgs. lb. .51 - —
Beth root, bls. lb. .19 - .21
Bismuth chloride, 5-lb. bots. lb. 3.00 - —
jars lb. 2.85 - —
Citrate, USP, VIII, 5-lb. botz. lb. 2.86 - —
jars lb. 2.75 - —
Hydroxide, 5-lb. bots. lb. 3.46 - —
cns. lb. 3.35 - —
Metal, ton lots. lb. 1.25 - —
Nitrate, cryst., 5-lb. bots. lb. 1.45 - —
cns. lb. 1.30 - —
Oxychloride, 5-lb. bots. lb. 3.10 - —
cns., kgs. lb. 3.51 - —
Subbenzoate, 5-lb. bots. lb. 3.40 - —
fib. dms. lb. 3.20 - —
Subcarbonate, bots., cns. lb. 1.59 - 1.85
175-lb. bbls. lb. 1.50 - —
X-ray, 5-lb. bots. lb. 2.79 - —
fib. dms. lb. 2.73 - —
Subgallate, bots., cns. lb. 1.49 - 1.72
fib. dms. lb. 1.40 - —
Subiodide, bots. lb. 4.24 - —
fib. dms. lb. 4.13 - —
Subnitrate, powd., bots., cns. lb. 1.29 - 1.57
250-lb. bbls. lb. 1.20 - —
Subsalicylate, 60-66%, bots. lb. 2.50 - —
bbls., fib. dms. lb. 2.50 - —
Sulphocarbolate, 5-lb. bots. lb. 3.76 - —
fib. dms. lb. 3.65 - —
Trioxide, powd., 5-lb. bots. lb. 3.76 - —
cns. lb. 3.65 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms. lb. 3.40 - —
5-lb. cns. lb. 3.45 - 3.50
Black, acetylene, c.l., works, duty paid. lb. .14 - —
Bone, 1A, c.l. lb. .17 - —
l.c.l. lb. .17½- —
3, c.l. lb. .12 - —
l.c.l. lb. .12½- —
4, c.l. lb. .11 - —
l.c.l. lb. .11½- —
5, c.l. lb. .08½- —
l.c.l. lb. .09 - —
6, c.l. lb. .08½- —
l.c.l. lb. .09 - —
7, c.l. lb. .11½- —
l.c.l. lb. .12 - —
8, c.l. lb. .12½- —
l.c.l. lb. .13 - —
Bone black prices are for barrels or bags, freight allowed East. Pacific Coast prices are 1½c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants. lb. .03425- —
l.c.l., bgs. or cartons, f.o.b. whse. lb. .07½- —
dlvd. lb. .07½- —
beads, compressed, bgs., c.l., f.o.b. plants. lb. .03350- —
l.c.l., bgs. or cartons, f.o.b. whse. lb. .07 - —
dlvd. lb. .07 - —
bulk, cars, c.l., f.o.b. plants, lb. .03150- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure bbls., l.c.l., works. lb. .08½- —
Lamp, dom., 1, ctns., c.l., works. lb. .07 - —
l.c.l., works. lb. .08 - —
2, ctns., c.l., works. lb. .09 - —
l.c.l., works. lb. .10 - —
2A, ctns., c.l., works. lb. .11 - —
l.c.l., works. lb. .12 - —
3, ctns., c.l., works. lb. .13 - —
l.c.l., works. lb. .14 - —
4, ctns., c.l., works. lb. .15 - —
l.c.l., works. lb. .16 - —
5 ctns., c.l., works. lb. .17 - —
l.c.l., works. lb. .18 - —
6, ctns., c.l., works. lb. .24 - —
l.c.l., works. lb. .25 - —
7, ctns., c.l., works. lb. .34 - —
l.c.l., works. lb. .35 - —
Mineral, vine type, bbls., l.c.l., f.o.b. works. lb. .0434- —
Vine, A, bbls., works or N. Y., lb. .04½ Nom.
B, bbls., works or N. Y. lb. .05¾ Nom.
works. lb. .14 Nom.
dms., c.l., frt. alld. lb. .09½ Nom.
Black dyes are listed under Dyes.
Black Haw root bark, bls. lb. .40 - .45
Tree bark, bls. lb. .16 - .17
Black Indian hemp root, bls. lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works. ton.50.00 - —
l.c.l., works. ton.62.50 - —
direct process, bgs., c.l., works, frt. equaled. ton.70.00 - —
l.c.l., same basis. ton.75.00 -90.00
pulp, 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works. ton.42.50 - —
Bleaching powder, dms., c.l., works. 100 lbs. 2.00 - 2.85
l.c.l., works. 100 lbs. 2.25 - 2.85
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 4.00 - —
high-grade, grd., 16-17 ammon, bulk, f.o.b. Chicago, unit-ton. 4.30 - —
import, bgs., c.i.f. ports, shipt. unit-ton. 3.90 - —
soluble (see Albumen, blood).
Bloodroot, bls. lb. .17 - .18
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .85 - .90
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, contracts. lb. .33 - —
Celestial, bbls. lb. .10 - .12
Chinese, bbls., same basis, contracts. lb. .33 - —
Cobalt, genuine, 1-kilo pkg. lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld. lb. 3.50 - 3.75
Milori, bbls., same basis, contracts. lb. .33 - —
Molybdated, Victoria, same basis, contracts. lb. 3.15 - —
Peacock, concentrated, same basis, contracts. lb. .52 - —
regular, same basis, contracts. lb. .35 - —
Potash, dom., bbls., same basis, contracts. lb. .42 - —
Prussian, bbls., same basis, contracts. lb. .33 - —
Tungstated, peacock, kgs. lb. 3.75 - —
Victoria, kgs. lb. 3.30 - —
methyl violet, kgs. lb. 2.10 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald. lb. .22 - .24
jobbing grades, bbls., same basis. lb. .11 - —
regular grades, bbls., same basis. lb. .16 - .27
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes, 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner. lb. 1.83 - —
synthetic vehicle, bbls., same basis. lb. 1.93 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns., tubs. lb. 1.67 - 1.84
powd., bots., cns., dms. lb. 1.70 - 1.84
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago. ton.37.50 - —
import, bgs., c.i.f. ports. ton.38.50 - —
meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago. ton.37.00 - —
import, bgs., c.i.f. ports. ton.37.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago. ton.40.00 - —
import, 1% ammon., 68-70% phos., bgs., c.i.f. ports. ton.42.00 - —
Boneset leaves, bls. lb. .08½- .09
Borage flowers, bls. lb. .45 - .48
Borax, tech., 99½% gran., bulk, c.l., frt. alld. ton.40.50 - —
bgs., c.l., frt. alld. ton.43.00 - —
ton lots, ex whse. ton.54.00 - —
less than ton lots, ex whse. ton.59.00 - —
bbls., c.l., frt. alld. ton.53.00 - —
ton lots, ex whse. ton.64.00 - —
less than ton lots, ex whse. ton.69.00 - —
powd., bgs., c.l., frt. alld. ton.48.00 - —
ton lots, ex whse. ton.59.00 - —
less than ton lots, ex whse. ton.64.00 - —
bbls., c.l., frt. alld. ton.58.00 - —
ton lots, ex whse. ton.69.00 - —
less than ton lots, ex whse. ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers. lb. .11 - —
l.c.l., dealers, dms. lb. .11¾- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies. lb. .25 - .30
single pkg., same basis. lb. .30 - .35
Bromoform, USP, 100-lb. lots, bots. lb. 1.50 - —
cbys. lb. 1.42 - —
Bromstyrol lb. 3.25 - 4.00
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs. lb. .60 - .65
moulding, cns., dms., over 10 lbs. lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs. lb. .85 - 1.20
radiator, cns., dms., over 10 lbs. lb. .45 - .50
Broomtops, bls. lb. .15 - .16
Brown, iron oxide, pure precip., cks., f.o.b. N. Y. lb. .12 - —
Metallic, iron oxide, bbls., wks., lb. .02¾- —
paper bgs., c.l., works. lb. .0260- —
Sap, crystals, dom., works. lb. .12 - —
powdered lb. .13 - —
Sienna, burnt, American, bbls., f.o.b. works. lb. .03½- —
Italian, Group 1, bbls., f.o.b. N. Y. or Pa. points. lb. .13½ Nom.
2 bbls., same basis. lb. .12½ Nom.
Italian, group 3, bbls., same basis. lb. .11½ Nom.
4, bbls., same basis. lb. .10 Nom.
5, bbls., same basis. lb. .10 Nom.
6, bbls., same basis. lb. .09½ Nom.
7, bbls., same basis. lb. .09½ Nom.
8, bbls., same basis. lb. .09 Nom.
9, bbls., same basis. lb. .08½ Nom.
10, bbls., same basis. lb. .08½ Nom.
11, bbls., same basis. lb. .08 Nom.
12, bbls., same basis. lb. .07½ Nom.
13, bbls., same basis. lb. .07¼ Nom.
14, bbls., same basis. lb. .06¾ Nom.
raw, American, bbls., f.o.b. works. lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N. Y. or works. lb. .13¾ Nom.
2, bbls., same basis. lb. .12½ Nom.
3, bbls., same basis. lb. .12¾ Nom.
4, bbls., same basis. lb. .10¾ nom.
5, bbls., same basis. lb. .10¾ Nom.
6, bbls., same basis. lb. .09¾ Nom.
7, bbls., same basis. lb. .10 Nom.
8, bbls., same basis. lb. .08½ Nom.
9, bbls., same basis. lb. .08 Nom.
10, bbls., same basis. lb. .07¼ Nom.
11, bbls., same basis. lb. .06½ Nom.
Brown, umber, American, bbls., works. lb. .08¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y. lb. .05 - —
St. Louis. lb. .05½- —
ex car Los Angeles. lb. .05¾- —
Portland, San Francisco, Seattle. lb. .05¾- —
ex whse. Los Angeles. lb. .06¼- —
Portland, San Francisco, Seattle. lb. .06 - —
Boston lb. .05 - —
Chicago, Indianapolis, New Orleans. lb. .05½- —
Kansas City. lb. .06 - —
Minneapolis lb. .0580- —
Pittsburgh lb. .05¾- —
Vandyke, regular, bbls., l.c.l., works. lb. .09 - —
special lb. .12 - —
Brucine, 100 oz., cns. oz. .15 - —
Sulphate, 100 oz., cns. oz. .12 - —
Bryonia root, bls. lb. .28 - .30
Buchu leaves, bls. lb. .65 - .70
Buckthorn bark, true, bls. lb. .75 - .80
cut and sifted, bbls. lb. .75 - .80
Berries, bgs. lb. .35 - .40
Burdock root, bls. lb. .40 - .45
Burgundy pitch, dom., dms. lb. .06 - .06¼
Butternut bark, bls. lb. .07 - .08
Butyl acetate[2], norm., dms., c.l., frt. alld. lb. .11 - .12
l.c.l., frt. alld. lb. .11½- .12½
tanks, frt. alld. lb. .10 - .11
tankwagons, frt. alld. lb. .10½- .11½
secondary, dms., c.l., frt. pd. E. of Miss. R. lb. .09 - —
dms., l.c.l., same terms. lb. .09½- —
tanks, same terms. lb. .08 - —
Alcohol (see Alcohol).
Aldehyde, dms., c.l., works. lb. .15½- —
l.c.l., works. lb. .16½- .17½
tanks, works. lb. .14½- —
Carbinol, secondary, l.c.l., dms., works. lb. .60 - —
Chloride, normal, dms., c.l., works. lb. .20 - —
l.c.l. lb. .23 - —
Ether (see under Ether).
Lactate, dms. lb. .23½- —
Propionate, dms., dlvd. lb. .16½- .17
tanks lb. .15½- —
Stearate, dms. lb. .32½- —
Butyric ester, bots. gal. 6.50 - 6.90
cns., works. lb. .65 - .70
dms., frt. alld. Met. N. Y. lb. .60 - —
Butane, coml., 16-34°, tanks, group 3. gal. .02½- .03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more. lb. 1.65 - 1.66
single jars. lb. 1.70 - —
5-lb. bots. lb. 1.84 - 1.91
Cyanide, 25-lb. bots., dlvd. lb. 3.00 - —
25-lb. cks., dlvd. lb. 3.50 - —
Iodide, 5-lb. bots. lb. 4.23 - —
25-lb. cans. lb. 4.09 - —
Lithopone (see Yellow).
Metal, [3,4] pat., shapes, cs. lb. .95 Nom.
ingots or sticks. lb. .90 Nom
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms. lb. 2.60 - —
25 lb. dms. lb. 2.68 - —
10 lb. cns. lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms. lb. 2.65 - —
25 lb. dms. lb. 2.68 - —
10 lbs. cns. lb. 2.70 - —
1,000 lbs. or more, 100-lb. dms., lb. 2.70 - —
25 lb. dms. lb. 2.73 - —
10 lb. cns. lb. 2.75 - —
100 lbs. or more, 100-lb. dms. lb. 2.80 - —
25 lb. dms. lb. 2.83 - —
10 lb. cns. lb. 2.85 - —
less than 100 lbs., 10-lb. cns., lb. 3.15 - —
Citrated, bots. lb. 2.30 Nom.
Hydrobromide, bots. lb. 5.29 - 5.37
Calabar beans, bgs. lb. .25 - .30
Calamus root, peeled, N. F., cs., bleached, bls. lb. .85 Nom.
bleached, bls. lb. No stocks
dom., natural, bls. lb. .40 - .45
Calcium acetate, bgs., dlvd., 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l. lb. .06½- .07½
l.c.l. lb. .06¾- .07¾
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equald. lb. .65 - —
50 lbs., works. lb. .67 - —
25 lbs., works. lb. .70 - —
Carbide, dms., c.l., dlvd. 100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse, 100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, paper bgs., 77-80%, c.l., dlvd., ton. 20.50 -35.00
l.c.l., 1 ton or more, dlvd., 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, wks., ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd. ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.53 - 2.25
Calcium chloride c.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags, and drums $3.50 per ton over paper bags.
Gluconate, USP, gran., 150-lb. bbls. lb. .50 - —
dms. lb. .55 - .57
cns. lb. .68 - .85
Powd., 2c. per lb. higher.
Glycerophosphate, fib dms., 1,000-lb. lots. lb. 1.25 - —
100-lb. lots. lb. 1.40 - —
cns., 25 lbs. lb. 1.65 - —
Hypophosphite, cns. lb. .62 - .65
Iodide, bots., jars. lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs. lb. .24 - .25
Mandelate, dense, dms. lb. 2.05 - —
fluffy, dms. lb. 2.05 - —
Nitrate, fertilizer grade, bgs., to fert. mfrs., ex essel Atlantic or Gulf ports. ton. No prices
tech., bbls., ton lots, works, lb. .12½- —
Palmitate, bbls. lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l. f. Atlantic ports, shipt. unit-ton. No prices
monobasic, cryst., bgs., c.l., works, frt. equald. lb. .05¾- —
5 tons and over, bgs., same basis. lb. .06 - —
Less than 5 tons, same basis. lb. .06½- —
tribasic, c.l., bbls., works. lb. .0635- —
l.c.l., bbls. lb. .7708
Resinate, precip., bbls., 1 ton lb. .13 - —
smaller lots. lb. .14 - —
Calcium, stearate, precip., bbls., ctns., c.l. lb. .24 - —
l.c.l., ton. lb. .25 - —
Sulphate (see Gypsum).
sulphide, 70%, Ca3, bgs., c.l., works. ton.46.00 - —
80%, Ca3, bgs., c.l., works. ton.51.00 - —
luminous, dom., tins, works, 100 lbs. 1.25 - —
Sulphocarbolate, 200-lb. bbls. lb. .48 - .50
Calendula flowers, bls lb. .85 - .90
Calomel, bbls., fib. dms., kgs., 50 lbs. or more. lb. 2.05 - —
Camphor, natural, powd., cs. lb. 1.10 Nom.
slabs, cs. lb. 1.10 Nom.
tablets, tins. lb. 1.20 Nom.
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works. lb. .36 - —
smaller lots, works. lb. .41 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots, lb. .63 - —
1,000-lb. lots. lb. .64 - —
smaller lots. lb. .65 - —
tablets, 2,000-lb. lots. lb. .76 - —
1,000-lb. lots. lb. .77 - —
smaller lots. lb. .78 - —
Monobromate, bxs., kgs. lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs. lb. .04 - .04¾
Morocco, bgs. lb. .05¾- .06
Turkish, bgs. lb. No stocks
Canella alba bark, bls. lb. .45 - .50
Cantharides, Chinese, cs. lb. 1.50 - 1.60
powd., bxs. lb. 1.75 - 1.85
Russian, cs. lb. 3.00 - 3.05
powd., bxs. lb. 3.25 - 3.30
Capsicum (see Pepper, red).
Caraway, Dutch, bgs. lb. .98 - 1.00
Carbazole, 95%, dms., ton lots, works. lb. .70 - —
smaller quantities, works. lb. .80 - —
98%, dms., ton lots, works. lb. .75 - —
smaller quantities, works. lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works. lb. .60 - —
Dimethylethyl, l.c.l., works. lb. .60 - —
Isobutyl, c.l., dms., frt. alld. lb. .225 - —
l.c.l., same basis. lb. .285 - —
tanks, same basis. lb. .215 - —
Carbon bisulphide, 55 gal., dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R. lb. .05 - —
l.c.l., same basis. lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07¼
l.c.l., same basis. lb. .08 - .08¾
Dioxide, cyls. lb. .06 - .06
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld. gal. .73 - —
l.c.l., frt. alld. gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld. gal. .97 - —
l.c.l., frt. alld. gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld. gal. .80 - —
l.c.l., frt. alld. gal. .87 - —
5 or 10-gal. dms., c.l., frt. alld. gal. 1.04 - —
l.c.l., frt. alld. gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld. gal. .94 - —
l.c.l., frt. alld. gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld. gal. 1.17 - —
l.c.l., frt. alld. gal. 1.27 - —
Zone 4, 52½-gal. dms., c.l. gal. .83 - —
l.c.l. gal. .90 - —
5 or 10-gal. dms., c.l. gal. 1.07 - —
l.c.l. gal. 1.17 - —
All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass. Ct., R. I., N. Y., N. J., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.
Cardamom, bleached, cs. lb. 1.45 - 1.60
decorticated, cs. lb. 1.20 - 1.30
green, Ceylon, afloat, bgs. lb. 1.10 - 1.15
Carob bean flour (see Gum, Locust bean).
Carvol, bots. lb. 4.00 - 4.25
Cascara sagrada bark, bulk. lb. .18 - .19
Case-hardening mixture, 30% dump, dms., l.c.l. lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd. lb. .28 - .29
5 tons, works. lb. .28¼- .29¼
smaller lots, works. lb. .28½- .29½
80-100 mesh, works. lb. .28½- .29¼
5 tons, works. lb. .28¾- .29¾
smaller lots, works. lb. .29 - .30
import, Argent., 20-30 mesh, bgs., c.l., duty paid. lb. .29 - .30
80-100 mesh, bgs., c.l., duty paid. lb. .29½- .30½
French, 30 mesh, bgs., c.l., duty paid. lb. No prices
New Zealand, 20-30 mesh, c.l., bgs., duty paid. lb. No prices
Cassia, Batavia, No. 1, thin quill, bls. lb. .22 - .22¼
No. 1, regular, bls. lb. .21 - .21½
shortstick, bls. lb. .19 - .19½
broken, bls. lb. .18 - .18½
China, buds, bgs. lb. .17½- .18
Rolls, select, bls. lb. .16½- .17
broken, extra, bls. lb. .15½- .16
Saigon, No. 1, 4-10-4, bls. lb. .35 - .35½
10-6-2, bls. lb. .35¼- .35¾
all thin, bls. lb. .37 - .37½
Cassia fistula, bskts. lb. .22 - .24
Castoreum, nat., cns. lb.12.50 -15.00
synth., bots. lb.19.00 - —
Castor beans, Brazilian, ship't, c.&f., N. Y. long ton.68.00 - —
Oil (see Oil, castor).
Pomace, dom., 6¼% ammon., bgs., c.l., works. ton.15.50 -16.00
import, bgs., c.i.f. ports, shipment. ton. No prices
Celery seed, French, bgs. lb. .95 - .98
Indian lb. .64 - .66
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld. lb. .30 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld. lb. .46 - —
100-900 lbs., frt. allded. lb. .47 - —
smaller pkgs., works. lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. allded. lb. .41 - —
1,000-4,900 lbs., frt. allded. lb. .42 - —
100-900 lbs., frt. allded. lb. .43 - —
smaller pkgs., works. lb. .44 - —

Cellulose, acetate-butyrate, medium, (10-10.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
acetate-propionate, high (20-40% propionyl content), 100-lbs. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
Triacetate, flake, frt. alld....lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 280 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs...lb. .85 - 1.00
Roman, bls.....lb. 3.25 Nom.

Charcoal, softwood, gran., bgs., c.l., divd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.40 - —
Colo. .....ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ill. (except river point), Minn., Neb., Wis.ton.27.00 - —
Indiana .....ton.31.00 - —
Ill. (river points), Mo., Okla., Tex. (except El Paso), Ia..ton.25.00 - —
Kansas, El Paso, Tex. ton.26.00 - —
Michigan .....ton.32.80 - —
Ohio .....ton.32.80 - —
Penn. .....ton.34.80 - —
Utah .....ton.36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .0240- —
l.c.l., bbls., works.....lb. .0265- —
tanks, works.....lb. .0190- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.. ton. 9.50 - —
paper bgs., c.l., works., ton.12.50 - —

China clay, import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila. ton.18.60 -25.00
powd., cks., l.c.l., ex whse., ton.45.00 - —
Chloral hydrate, jars, 1,000 lbs.lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, standard, c.l., ctns., works..lb. .32 - —
100 lbs., ctns.....lb. .35 - —
smaller lots.....lb. .38 - —
Chlorine,[2,5] liq., cyls., c.l., divd., N.Y..lb. .05¼- —
contracts, divd., N. Y...lb. .05¼- —
l.c.l., divd. N. Y.....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 2.00 - —
multiple unit, 8 or over, works, frt. equald..100 lbs. 2.35 - —
2, works, frt. equaid., 100 lbs. 2.75 - —
1, works, frt., equaid., 100 lbs. 3.25 - —
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chlorpicrin, com'l, 180-lb. cyls., frt. alld..lb. .30 - —
100-lb. cyls., frt. alld.....lb. .35 - —
25-lb. cyls., works.....lb. 1.00 - 1.15
1-lb. bot., case 12, works, lb. 1.25 - —

Cellulose—Cottonroot Bark

Chrome acetate, powd., 24%, bbls., lb. .22 - —
solut., 8½%, cs., bbls.....lb. No price
Cake, bulk, c.l., works.....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs. lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .85 - .90
20 in., thick, cs.....lb. .85 - .90
20 in., medium, cs.....lb. .85 - .90
USP, broken quill, red, bgs..lb. .20 - .21
yellow, bgs.....lb. .20 - .21
Cinchonidine, small crys., cns., 100 ozs..oz. .89 - —
Sulphate, N.F., cns., 100 ozs.oz. .53 - —
Cinchonidine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Cinchonine, small crys., cns., 100 ozs..oz. .62 - —
large cryst., cns., 100 ozs.oz. .66 - —
Sulphate, N.F., cns., 100 ozs..oz. .42 - —
Cinchonine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Cinchophen, USP, 25-lb. fib. dms., lb. 3.55 - 3.60
1 and 5-lb. bots.....lb. 3.70 - 3.80
100 lbs., dms.....lb. 3.50 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, 99-100% pure, cbys., cns..lb. 1.25 - 1.60
Cinnamon, Ceylon, 2 bls.....lb. .24 - .25
3 bls.....lb. No stocks
Citral, bots., cns.....lb. 3.00 - 4.00
Citrine ointment, jars.....lb. .95 - .97
Citronellal, bots., dms.....lb. 1.50 - 2.25
Citronellol, bots., dms.....lb. 1.75 - 2.00
Clove, Amboyna, bgs.....lb. .25 - .26
Zanzibar .....lb. .16¼- .16⅝
Clover tops, red, bgs.....lb. .35 - .40
dom., bgs.....lb. .30 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbls. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
Coaltar, water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works...dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .80½- —
Carbonate, powd., bgs., works. lb. 1.58 - —
Chloride, kgs., works.....lb. .85 - —
Hydrate, bbls.....lb. 1.98 - —
Linoleate, paste, 5%, dms....lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½- —
1 %, cobalt oxide, bbls....lb. .13 - —
2 %, cobalt oxide, bbls....lb. .14 - —
8½%, cobalt oxide, bbls....lb. .17½- —
precip., dms., dlvd.....lb. .54 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs...lb. .23 - .23½
Cocillana bark, bgs.....lb. .22 - .23
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., cns.....oz.86.00 - —
Colchicum seed, bgs.....lb. 2.50 Nom.
Collodion, USP, dms., 325 lbs..lb. .15 - —
cns., 25 lbs.....lb. .19 - .20
flexible, USP, dms., 325 lbs..lb. .17 - —
cns., 25 lbs.....lb. .21 - .22
Colocynth pulp, bls.....lb. .95 - 1.00
Colombo root, bls.....lb. .22 - .23
Coltsfoot leaves, bgs.....lb. .35 - .40
Condurango bark, bgs.....lb. .10 - .11
Conium leaves, bls.....lb. .30 - .32
Copaiba, balsam, Para, cns....lb. .32 - .33
S.A., USP, cns.....lb. .34 - .35
Copper acetate, normal, bbls., divd..lb. .24 - —
smaller containers, divd..lb. .26 - —
Carbonate, 52-54%, bbls.....lb. .18 - .20½
Chloride, anhyd., bbls.....lb. .19½- —
cryst. .....lb. .15½- .14½
Cyanide, tech., bbls.....lb. .34 - .38
Iodide, bots.....lb. 5.15 - 5.19
Metal,[1,2,5] electrlytic.....lb. .12 - .12½
Nitrate, cryst., bbls.....lb. .20 Nom.
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .19½- .21
Red, com'l, kgs., f.o.b. N. Y. lb. .20 - .22
Resinate, precip., bbls.....lb. .15 - .16
Sulphate, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 5.00 - 5.50
l.c.l., 16-50 bbls., same basis, 100 lbs. 5.15 - 5.65
6-15 bbls., same basis, 100 lbs. 5.25 - 5.75
1-5 bbls., same basis, 100 lbs. 5.50 - 6.00
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 8.95 - —
l.c.l., dealers.....100 lbs. 9.95 - —
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, ship.....lb. .04 Nom.
Coriander, bgs.....lb. .11½- .12
bleached, bgs.....lb. .12 - .13½
Corn silk, bls.....lb. .23 - .25
Corn sugar, tanners', chipped, bgs., c.l., divd..100 lbs. 4.05 - —
slabs, bbls., c.l.....100 lbs. 3.41 - —
solid, bbls., c.l.....100 lbs. 3.53 - —
Syrup, 42°, bbls., c.l..100 lbs. 3.52 - —
43°, bbls., c.l.....100 lbs. 3.57 - —
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.39 - —
gran., powd., dms., 50 lbs. or more..lb. 2.24 - —
Cottonroot bark, bls.....lb. .10 - .11

FROM THE ORIGINAL, PAINTED IN COLOR ESPECIALLY FOR NIAGARA ALKALI COMPANY

TWO THREADS of yarn, if wound together correctly, usually possess greater strength than the sum total of both separately. With just such a result have the resources of the Niagara Alkali Company and Electro Bleaching Gas Company been combined. For more than three decades the two familiar names have represented services of a similar nature they have served many industries well. Now they are united into one compact, strong, closely integrated organization which, because the combination of manufacturing, research and personnel facilities, will serve customers of *both* better than *each* could separately. The organization is now known as the NIAGARA ALKALI COMPANY.

EBG Niagara Alkali Company
60 EAST 42nd STREET, NEW YORK, N. Y.
CAUSTIC POTASH · CAUSTIC SODA
PARA · CARBONATE OF POTASH
Liquid Chlorine

Cottonseed—Formaldehyde

Cottonseed, hull ash, 32-36% potash, bgs., dlvd...unit-ton. 1.00 - —
meal, 8%, Southeast, mills..ton.44.00 -44.50
Coumarin, 5 lbs. or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 dms., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .30 - .45
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .10 - .18
Cream of tartar, gran. or powd., bbls., 5,000 lbs., one shipm't. lb. .57½- —
smaller lots, bbls.....lb .58 - —
kgs.....lb. .58½- —
Creosote, beechwood, bots.....lb. .70 Nom.
hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .26 - —
Carbonate, bots., obys.....lb. 1.90 - 2.29
Oil, crude, tanks, works...gal. .18½- .14½
Coaltar, solution, tanks, works. gal. .122 - .132
refd., bbls., l.c.l., works.gal. .26 - —
tanks, works.....gal. .18 - .18½
Cresol,[3] USP, dms., c.l., works. lb. .10½- —
l.c.l., same basis.....lb. .10¾- —
special resin grade, dms., c.l., works..lb. .09½- —
l.c.l., same basis.....lb. .09¾- —
Crotonaldehyde, 97%, 55 and 110 gal., l.c.l., works..lb. .15 - —
5 and 10-gal. dms., works..lb. .18 - —
Cryolite, syn., c.l., frt. alld. E. of Miss. River..lb. .08½- —
l.c.l., works.....lb. .09¼- —
natural, c.l.....100 lbs. 8.75 - —
l.c.l.....100 lbs. 9.25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C..lb. .27 - .28
4% rotenone prices are 3c. per lb. less.
Cubeb berries, XX, bgs.....lb. .48 - .50
powd., cs.....lb. .53 - .54
Culver's root, bls.....lb. .16 - .17
Cumin seed, Morocco, bgs...lb. .19 - .19½
Cyprus, bgs.....lb. .18¾- .19¼
Indian, bgs.....lb. .17¾- .18¼
Persian, bgs.....lb. .18¼- .19
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04¾- —
Cyanamide, 22% N, pulv., ogs., dlvd., contracts, N..unit-ton. No prices
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., works..lb. .16 - —
Cyclohexanol, 98-100%, dms., works..lb. .23 - —
Cyclohexanone, 98-100%, dms., works..lb. .32 - —
Cyclopropane, USP, cyls., dlvd., gal. .27 - —

D

Damiana leaves, bls.....lb. .16 - .17
Dandelion root, bls.....lb. .60 - .65
Decanol, normal, tech., 360 lbs., dms., dlvd..lb. .85 - —
Deertongue leaves, bls.....lb. .12 - .14
Degras, common, dom., bbls...lb. .08¼- .08¾
neutral, dom., obls.....lb. .15 - .17
Derris root, powd., 5% rotenone, bbls., f.o.b. N. Y..lb. .28 - .30
4% rotenone prices are 3c. per lb. less.
Derris, extract, 25% rotenone, bulk, cns..lb. 3.00 - 4.00
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.25 - —
l.c.l., f.o.b. Chicago...100 lbs. 4.35 - —
Corn, canary, bgs., c.l., f.o.b. Chicago...100 lbs. 4.00 - —
l.c.l., f.o.b. Chicago...100 lbs. 4.80 - —
white, bgs., c.l., f.o.b. Chicago...100 lbs. 3.95 - —
l.c.l., f.o.b. Chicago...100 lbs. 4.15 - —
Potato, bgs., dom., c.l.....lb. .08½- —
l.c.l., bgs.....lb. .09½- .10
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 9.50 -11.00
Diamyl ether, dms., c.l., works. lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Diamylamine, dms., c.l., works. lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .17 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l.....lb. .20 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst..ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard..ton.85.00 -89.00
l.c.l., ex whse.....ton.85.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
Import, Algerian, bgs., c.l., c.l.f. ton. No prices
Mexican, white, bgs., c.l., c.l.f. lb. .02 - .03
l.c.l.....lb. .04 - .06
Dibutylamine, dms., c.l., works. lb. .50 - —
l.c.l.....lb. .53 - —
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate,[2] dms., c.l., dlvd..lb. .19 - .20
l.c.l., dlvd.....lb. .19½- .20¼
tanks, dlvd.....lb. .18 - .19
cns., works.....lb. .23½- .25¼
Sebacate, dms., works.....lb. .45 - .47
Tartrate, dom., dms.....lb. .60 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentanes, dms., c.l., works...lb. .082- —
l.c.l.....lb. .04 - —
tanks.....lb. .025- —
Diethanolamine, dms., c.l., works. lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .23½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylamine ethanol, l.c.l., dms., works, frt. alld. E. of Miss. river, l.c.l., dms..lb. .75 - —
Diethylanilin, dms.....lb. .40 - —
Diethylcarbonate, com'l, dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Oxalate, dms., l.c.l., dlvd.....lb. .28 - —
Diethyl phthalate, dms., c.l., dlvd..lb. .20 - —
l.c.l.....lb. .20½- —
tanks.....lb. .19 - —
Sulphate, dms., c.l., works...lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks.....lb. .12 - —
Diethyleneglycol, dms., c.l., works, lb. .14 - —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works..lb. .22½- .24½
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .40 - .42
Digiycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works.lb. .19 - —
Diliseed, cleaned, bgs.....lb. .08½- .08¾
Dimethyl phthalate, dms., c.l., dlvd..lb. .20 - —
l.c.l., dlvd.....lb. .20½- —
tanks, dlvd.....lb. .19 - —
Dimethylamine, dms., c.l., dlvd..lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dinitrobenzene, bbls., 60° min..lb. .16 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .05 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld.....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .59 - .51
tanks.....gal. .51 - —
dest., dist., dms.....gal. .55 - .58
tanks.....gal. .48 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, dms..lb. .43 - .45
cns.....lb. .48 - .50
Diphenylamine, bbls.....lb. .26 - —
Diphenyliguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Dimethylethyl carbinol (see Carbinol).
Divi-divi, Columbian.....ton.43.00 - —
Venezuelan.....ton.47.00 - —
Doggrass root, imp. cut, NF, bls. lb. .38 - 1.00
domestic, bls.....lb. .36 - .37
Dogwood bark, Jamaica, bls...lb. .08 - .09
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .85 - .85
reeds, cs.....lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns..lb.13.50 - —
FD&C blue, No. 2, cns...lb.13.50 - —
Green FD&C green, No. 2, cns. lb.17.50 - —
FD&C green, No. 3, cns...lb.27.50 - —
FD&C green, No. 1, cns.. lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1....lb. 8.85 - —
Blue, D&C blue, No. 6.....lb.13.50 - —
Brown, D&C brown, No. 1, cns.. lb.12.85 - —
Green, D&C green, No. 5, cns.. lb.12.85 - —
D&C green, No. 6, cns.....lb.12.85 - —
Orange, D&C orange, No. 5, cns..lb. 8.35 - —
D&C orange, No. 4, cns...lb.15.85 - —
D&C orange, No. 10, cns...lb.15.85 - —
D&C orange, No. 11, cns...lb.17.85 - —
Red, D&C red, No. 7.....lb. 6.00 - —
D&C red, No. 17.....lb. 8.85 - —
D&C red, No. 18.....lb.18.85 - —
D&C red, No. 19, cns.....lb.15.85 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb.13.85 - —
D&C red, No. 37, cns.....lb.13.85 - —
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns...lb. 8.35 - —
D&C yellow, No. 11.....lb.10.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext. D&C green, No. 1, cns..lb.12.85 - —
Red, Ext. D&C red, No. 1, cns..lb.10.85 - —
Ext. D&C red, No. 3.....lb.21.85 - —
Ext. D&C red, No. 8.....lb. 7.85 - —
Ext. D&C red, No. 10, cns..lb.12.35 - —
Ext. D&C red, No. 13, cns..lb.12.85 - —
Yellow, Ext. D&C yellow No. 1, cns...lb. 6.85 - —
Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
163 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR, cns.....lb. 1.50 - 1.60
189 Lake red R, paste.....lb. .85 - .90
189 Lake red R, powd...lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
209 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
280 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B..lb. .80 - .85
328 Direct cast scarlet...lb. 2.00 - 2.25
354 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
562 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
408 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct asurin G.....lb. .75 - .90
512 Direct blue RD.....lb. .80 - 1.00
Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
518 Direct pure blue 6B..lb. 1.10 - 1.25
530 Direct pure blue.....lb. .50 - 1.00
536 Direct fast black, FF..lb. .60 - .70
551 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .95 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
626 Acid violet.....lb. 1.00 - 3.00
813 Prinzulin.....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p.c. paste..lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .26 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Black:—
865 Nigrosin derivatives..lb. .38 - .63
Blue:—
1075 Alizarin astrol base...lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Brown:—
Brown.....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
Green.....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
238 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
91 Yellow OB.....lb. 1.40 - —
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
864 Nigrosin.....lb. .38 - .44
Blue:—
860 Indulin.....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoldin G.....lb. .95 - —
21 Chrysoldin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine.....lb. 2.00 - —
800 Chinolin yellow 3S...lb. 2.00 - —
Violet:—
680 Methyl violet base....lb. .38 - —
Dyes, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S.lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.05 - 1.10
729 Victoria blue B.....lb. 1.85 - —
861 Indulin.....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
254 Resorcin brown Y.....lb. .35 - —
255 Resorcin dark brown R, lb. .36 - —
291 Bismarck brown G....lb. .42 - .57
332 Bismarck brown R....lb. .42 - .57
795 Phosphin.....lb. 4.65 - —
Green:—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green.lb. 2.35 - —
Orange:—
10 Chrysoldin G.....lb. .40 - —
21 Chrysoldin R.....lb. .87 - —
27 Orange G.....lb. .50 - —
151 Orange R.....lb. .80 - —
161 Orange R.....lb. .54 - —
31 Amidonaphthol red G..lb. .42 - —
37 Amidonaphthol red 6B. lb. .66 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin.....lb. .60 - .62
182 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crosein M...lb. .66 - —
677 Fuchsin.....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin.....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S....lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
640 Tartrazin.....lb. .80 - —
655 Auramine.....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dried, dom., bbls.....lb. .92 - .95
imported.....lb. .83 - .85
Elder flowers, bright, bls.....lb. .75 - .80
Elecampane root, bls.....lb. .14 - .15
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .19 - .20
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.24.00 -28.80
Ephedra, bls.....lb. .12 - .13
Ephedrine, USP hemihydrates, tins, 1,000 cns..oz. .90 - —
100 cns.....oz. .70 - —
anhyd., dms., 1,000-oz. lots.oz. .65 - —
100-oz. lots.....oz. .75 - —
Hydrochloride, tins, 1,000-oz. lots..oz. .45 - —
100-oz. lots.....oz. .55 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. .43 - —
100-oz. lots.....oz. .53 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls.....100 lbs. 1.90 - —
Epsom salt prices on technical and USP are on the basis of freight equalized with Baltimore, Carteret, N. J., Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrwal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 2.00 - 2.10
Eserine, bots.....oz.50.00 -72.00
Salicylate, bots.....oz.42.00 -45.00
Sulphate, bots.....oz.42.00 -45.00
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .26 - .28
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .73 - —
Sulphuric, conc., 310-lb. dms.lb. .11 - —
27-lb. dms.....lb. .16 - —
Synth., dms., c.l., work.....lb. .10 - —
l.c.l., works.....lb. .11 - —
tanks.....lb. .08 - —
USP, anesthesia, hospitals, 1-lb. cns..lb. .52 - .53
Ethyl acetate,[2] 85-90%, dms., c.l., frt. alld..lb. .08½- .09½
l.c.l., frt. alld.....lb. .09 - .10
tanks, frt. alld.....lb. .07½- .08½
95-98%, dms., c.l., frt. alld.lb. .08¾- .09¾
l.c.l., frt. alld.....lb. .09¼- .10¼
tanks, frt. alld.....lb. .07¾- .08¾
NF, 390-lb. dms.....lb. .10 - —
cns., 35 lbs.....lb. .14 - .15
Acetoacetate, dms., c.l., wks.lb. .29½- —
l.c.l., dms., works.....lb. .30 - —
Benzoate, bots.....lb. 1.00 - 1.25
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.06 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.50 - 3.75
Formate, cns., dms.....lb. .25 - .26
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works. lb. .33½- —
5-gal. dms., works.....lb. .37½- .39¼
Oenanthate, dms.....lb. .75 - 1.25
Oxalate, dms., frt. alld.....lb. .25 - —
Oxyhydrate, bots.....gal. 4.00 - 6.00
Silicate, t.c.l., dms., wks....lb. .77 - —
Vanillin, 25-lb. lots, cns....lb. 4.75 - 6.00
5-lb. lots, cns.....lb. 4.80 - 6.05
1-lb. lots, cns.....lb. 4.95 - 6.15
Ethylcellulose, std., 5,000-lbs. or more, frt. alld..lb. .45 - —
less than 5,000 lbs., same basis..lb. .47 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0742- —
West of Rockies, same basis..lb .0792- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0795- —
West of Rockies, same basis..lb. .0841- —
Ethyleneglycol, dms., c.l.....lb. .14¼- —
l.c.l.....lb. .15½- .18½
tanks.....lb. .13½- —
Monobutylether, dms., c.l., wks. lb. .16½- —
l.c.l., works.....lb. .17½- .20½
tanks, works.....lb. .15½- —
monoethylether, dms., c.l., works..lb. .14¼- —
l.c.l., works.....lb. .15¼- .16½
tanks, works.....lb. .13½- —
Monoethylether, acetate, dms., c.l., works.....lb. .11½- —
l.c.l., dms.....lb. .12½- .15½
tanks, works.....lb. .10¼- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14¼- —
Ethylidinanilin, dms.....lb. .45 - .47
Eucalyptol, cns., dms.....lb. 1.15 - 1.25
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 2.00 - 2.10
Euphorbia, bls.....lb. .09 - .10

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons...ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -12.25
l.c.l., minimum 2 tons...ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N. C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons.ton.20.00 -22.00
Fennel seed, Argentine, bgs...lb. .11 - .11
Indian, bags.....lb. .09 - .09
French, bgs.....lb. No stocks
German, large, bgs.....lb. No stocks
Roumanian, bgs.....lb. .11¼- .12
Fenugreek, seed, bgs.....lb. .06¾- .07
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l.....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works...lb. .12 - —
smaller lots, works....lb. .13 - —
light, cs., 1,000 lbs. or over, works...lb. .13 - —
smaller lots, works....lb. .15 - —
water white, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
Fir balsam, Canada, cns.....gal.16.50 -17.00
Oregon, bbls.....gal. 1.10 - 1.20
Fish berries, bgs.....lb. .26 - .27
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures...unit-ton. 4.50 & .10
meal, bgs., f.o.b. Balto.....ton.66.00 - —
6-7% ammon., 3% phosphor. acid, bulk, Chesapeake Bay factories, contracts.....unit-ton. 2.75 & .50
sardine, Japanese, 11½% ammon. bgs., c.l.f. ports..ton. No prices
Flake white, dom., bbls.....lb. .09 - —
kegs.....lb. .11 - —
Flaxseed, French, black, bgs...lb. .25 - .26
Indian, blonde, bgs.....lb. .11 - .13
Fluorspar, dom., No. 1 ground, bulk, 96-98%, f.o.b. mines.. net ton.32.00 - —
washed gravel, 85.5 f.o.b. Ky. and-Ill.-Ky. mines.net ton.22.00 -23.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton.22.00 -23.00
imported, 85.5, duty paid, short. No prices
Formaldehyde,[1,2,3,4] bbls., c.l., works..lb. .0550- .05
l.c.l., works.....lb. .06 - .06
dms., c.l., works.....lb. .0515- .05
l.c.l., works.....lb. .0562- .05
tanks.....lb. .04 - .05
Formaldehyde prices are under 4¼c. to 9½c. OPA ceiling.

Fringetree bark, bls.....lb. .14 - .18
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines..ton.15.00 - —
import, bgs., c.l., ex dock..ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., wcrks, lb. .15 - —
l.c.l., works.....lb. .17½ - .20
tech., dms. contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½ - —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .17½- .19½
Fustic, cryst., bgs., No. 1....lb. .32 - —
No. 2..lb. .30 - —
No. 3..lb. .28 - —
extract, bbls., No. 1.....lb. .16 - —
No. 2...lb. .15 - —
No. 3..lb. .12½- —

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .09 Nom.
plantation, cases.....lb. .12 Nom.
cubes, Singapore, cases..lb. .10 Nom.
extract, bbls.....lb. .09½- .13
Gasoline[a] at refinery:—
Bayonne, US motor, tanks, ex tax..gal. .07½- .08
California (f.o.b. San Francisco), regular, trucks, tax incl..gal. .14½- —
Gulf Coast, US motor, 72-74 octane, tanks, ex tax...gal. .07¼- —
Louisiana-Arkansas, US motor, 72-74 octane, tanks, ex tax..gal. .05¾- .06⅛
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax...gal. .05¾- .06⅜
natural, 18-55, tanks....gal. .05½- —
26-70, tanks.....gal. .04½- —
Gelatin, silver, cs.....lb. .80 - 1.00
Geisemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .72 - .75
grd., bbls., bxs.....lb. .74 - .76
powd., bbls., bxs.....lb. .76 - .78
Geraniol, 92-96%, cns., dms...lb. 2.35 - 2.50
other grades, cns., dms.....lb. 1.50 - 2.25
soap, cns., dms.....lb. .90 - 1.35
Ginger, African, No. 1, bgs...lb. .28 - .29
Cochin, bgs.....lb. .24½- .25
Jamaica, bold, bgs.....lb. .42 Nom.
medium, bgs.....lb. .40 - .41
grinding, bright, bgs....lb. .39 - .40
Ginseng root, wild Southern, cs. lb.12.00 -18.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. 1.05 - 1.28
5 tons or over, works, 100 lbs. 1.15 - 1.35
less than 5 tons, works, 100 lbs. 1.25 - 1.45
import, bxs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 3d jelly-grams, bgs., c.l., dlvd. East or Midwest...lb. .16 Nom.
l.c.l.....lb. .16½ Nom.
36/58, c.l.....lb. .15½ Nom.
l.c.l.....lb. .16 Nom.
58/82, c.l.....lb. .17 Nom.
l.c.l.....lb. .17½ Nom.
82/108, c.l.....lb. .17½ Nom.
l.c.l.....lb. .18 Nom.
hide, calcimine type, 58 millipoise, 135 jelly-grams, bgs., c.l., dlvd. East or Midwest...lb. .19 Nom.
l.c.l.....lb. .19½ Nom.
60/164, c.l.....lb. .19½ Nom.
l.c.l.....lb. .21 Nom.
67/122, c.l.....lb. .21½ Nom.
l.c.l.....lb. .22 Nom.
75/222, c.l.....lb. .24½ Nom.
l.c.l.....lb. .25½ Nom.
68/251, c.l.....lb. .24½ Nom.
l.c.l.....lb. .26½ Nom.
92/283, c.l.....lb. .26½ Nom.
l.c.l.....lb. .27½ Nom.
102/315, c.l.....lb. .27½ Nom.
l.c.l.....lb. .28 Nom.
113/347, c.l.....lb. .28 Nom.
l.c.l.....lb. .29 Nom.
125/379, c.l.....lb. .29 Nom.
l.c.l.....lb. .30 Nom.
Glue prices for barrel packing are ½c. per lb. higher; grinding charges, 20-40 mesh, ½c. per lb.; 60 mesh, 1c. per lb.
Glycerin, CP, cns., l.c.l.....lb. .21½- .22
dms., c.l., dlvd.....lb. .19½- —
l.c.l., dlvd.....lb. .20 - —
tanks, dlvd.....lb. .19¼- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., dlvd.lb. .19½- —
l.c.l., dlvd.....lb. .20 - —
tanks, dlvd.....lb. .19¼- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd..lb. .20½ Nom.
l.c.l., same basis..lb. .21½ Nom.
tanks.....lb. .20 Nom.
refiners, dms., returnable, tanks, dlvd..lb. .19 Nom.
soapiye, basis 80%, dms., returnable, tanks, dlvd..lb. .18 Nom.
Glycine, medicinal, bbls. tinc.lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .33 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price....oz.35.00 - —
Chloride, acid brown, both..oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure, seed, bgs....lb. .19 - .19½
Goldenseal, root, bls.....lb. 3.50 - 3.60
powd., bxs.....lb. 3.75 - 3.85
Grains of paradise, bgs.....lb. .35 - .37
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphite carbon, bgs., c.l., works..lb. .07 - —
bbls., c.l., works.....lb. .07½- —
l.c.l., works.....lb. .07½- —
amorph., powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works..lb. .02½- —
l.c.l., works.....lb. .03½- —
bbls., c.l., works.....lb. .02¾- —
80% graphite, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04¼- —
Grease, house.....lb. .08½- —
white .....lb. .09 - —
yellow .....lb. .08½- —
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. c. Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
Green, chrome, CP, dark, light, medium, blue content, reduced, 6-10%, bbls., same basis..lb. .22 - —
11-15%, bbls., same basis..lb. .23 - —
16-20%, bbls., same basis..lb. .23½- —
21-25%, bbls., same basis..lb. .24 - —
26-30%, bbls., same basis..lb. .24½- —
31-35%, bbls., same basis..lb. .25½- —
36-40%, bbls., same basis..lb. .27 - —
41-45%, bbls., same basis..lb. .28½- —
46-50%, bbls., same basis..lb. .30 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .08 - —
9-10%, bbls., same basis..lb. .06½- —
11-13%, bbls., same basis..lb. .07¼- —
14-18%, bbls., same basis..lb. .07½- —
17-19%, bbls., same basis..lb. .07¾- —
20-21%, bbls., same basis..lb. .08 - —
22-23%, bbls., same basis..lb. .08¼- —
24-25%, bbls., same basis..lb. .08½- —
26-27%, bbls., same basis..lb. .08¾- —
28-29%, bbls., same basis..lb. .09¼- —
30-31%, bbls., same basis..lb. .07½- —
32-33%, bbls., same basis..lb. .11¼- —
34-35%, bbls., same basis..lb. .12½- —
36-40%, bbls., same basis..lb. .14½- —
41-45%, bbls., same basis..lb. .16¼- —
46-50%, bbls., same basis..lb. .16¾- —
51-55%, bbls., same basis..lb. .17¼- —
56-60%, bbls., same basis..lb. .17¾- —
61-65%, bbls., same basis..lb. .18¼- —
66-70%, bbls., same basis..lb. .19½- —
71-75%, bbls., same basis..lb. .20½- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .23 - —
l.c.l. works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .23
Tetrahydroxide, bbls.....lb. .65 - —
Paris (see P)
Tunstated, brilliant, kgs.....lb. 3.75 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .85 - .90
Wood, bls.....lb. .04 - .06
Guaiacol, liq., dms.....lb. 1.55 Nom.
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Gum, guarana, powd., cs.....lb. 1.20 - 1.25
Aloe (see A).
Ammoniac, tears, cs.....lb. .80 - .85
Arabic, amber sort, cleaned, bgs..lb. .24½- .25
white, sorts, 1, bgs...lb. .45 Nom.
powd., bbls.....lb. .27 - .30
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 2.50 - 2.60
Sumatra, cs.....lb. .23 - .24
Camphor (see C).
Chicle, prime, 25% moisture, bxs., ton lots lb. .40 - .43
Copal, Congo, 1, water white transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Francisco..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gum prices on 80,000 lbs. min. apply to assorted lots of gums as well as one grading; l.c.l. prices are ½c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.
2, water white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .34½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22⅝- —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13⅞- —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .18⅝- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .12⅝- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11⅞- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09⅛- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23⅝- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10⅝- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .18⅝- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19½- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18⅝- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13½- —
21, ordinary selected nubs, c.l., same basis..lb. .12⅝- —
22, small mixed nubs, bgs., same basis..lb. .10⅝- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11⅞- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17½- —
25, pale small nubs, c.l., same basis..lb. .10⅝- —
27, pale small nubs, bgs., c.l., same basis..lb. .10⅛- —
28, pale dust, bgs., c.l., same basis..lb. .06⅝- —
Batu, bold scraped, bgs....lb. .11¼- —
unscraped, bgs.....lb. .10¼- —
chips, bgs.....lb. .07¼- —
dust, bgs.....lb. .07 - —
nubs and chips, bgs.....lb. .07½- —
black, bold, scraped, bgs..lb. .12½- —
unscraped, bgs.....lb. .08 - —
nubs and chips, bgs.....lb. .07⅝- —
Hiroe, Macassar, pale bold, bgs..lb. .14⅞- —
chips, bgs.....lb. .10¼- —
dust bgs.....lb. .07 - —
nubs, bgs.....lb. .12 - —
Singapore, Rasak, bold, bgs., lb. .20⅝- —
chips, bgs.....lb. .11½- —
dust, bgs.....lb. .07 - —
nubs, bgs.....lb. .16¼- —
Manila, Bocas, amber and dark, bakts.....lb. .14 - —
light, bakts.....lb. .15⅝- —
Loba A, bakts.....lb. .14½- —
B, bakts.....lb. .14½- —
C, bakts.....lb. .13⅞- —
CNE, bakts.....lb. .10⅝- —
Gum, Manila loba, D, bakts...lb. .13¼- —
DK, bakts.....lb. .10 - —
dust, bakts.....lb. .07⅛- —
Sambas and white split chips, bakts..lb. .15⅝- —
Singapore, dust, bakts.....lb. .07⅝- —
Spirit-soluble, CBB, bakts., lb. .13½- —
DBB, bakts.....lb. .12¼- —
MA, bakts.....lb. .10¼- —
MB, bakts.....lb. .09¾- —
WS, bakts.....lb. .12¼- —
Philippine, Manila, amber sorts, bakts..lb. .10⅝- —
chips, pale, bakts.....lb. .13½- —
pale, small, bakts.....lb. .11⅝- —
extra pale, sorts, bakts...lb. .13¼- —
nubs, bakts.....lb. .14½- —
scraped, bakts.....lb. .15½- —
seeds and dust, bakts....lb. .09¼- —
Pontianak, bold, genuine, bgs., lb. .22⅞- —
mixed, bgs.....lb. .17⅝- —
split, bgs.....lb. .19⅝- —
chips, bgs.....lb. .12⅞- —
nubs, bgs.....lb. .18⅝- —
Dammar, Batavia, A, cs., same basis as copal..lb. .29¼- —
A/C, cs.....lb. .28¼- —
A/D, cs.....lb. .23½- —
A/E, cs.....lb. .21¼- —
B, cs.....lb. .28 - —
C, cs.....lb. .23⅞- —
D, cs.....lb. .21¼- —
dust, cs.....lb. .11 - —
E, cs.....lb. .15 - —
F, cs.....lb. .11⅝- —
Singapore, 1, cs.....lb. .26⅝- —
2, cs.....lb. .21¾- —
3, cs.....lb. .11 - —
chips, cs.....lb. .19½- —
dust, cs.....lb. .11 - —
seeds, cs.....lb. .15 - —
Elemi, cns, same basis as copal..lb. .08⅞- —
Ester, ordinary, c.l., dms., contract, dlvd. New Eng., N. Y., N. J., Pa., Va., N. C., Ky., Ohio, Ind., Mich., Wis. and Ill..lb. .07½- .09
Mont., Idaho, Wyo., Nev., Utah, Col., Ariz., N. Mex. and Western Tex..lb. .08 - .09½
Pacific Coast (water shipt.)..lb. .07½- .10
Other points.....lb. .07¾- .10¼
For delivery of 3,000 pounds, prices are ½c. per pound higher than the above in each case; for delivery of smaller lots, prices are ½c. per pound higher in each case. Spot prices are ½c. per pound higher.
Euphorbium, cs.....lb. .70 - .85
Galbanum, cs.....lb. 1.40 - 1.50
Gamboge, pipe, cs.....lb. .95 - 1.00
powd., bbls.....lb. 1.05 - 1.10
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resins).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.l..lb. .60 - —
EX, cs., c.l., same basis..lb. .35 - —
B1, cs., c.l., same basis..lb. .25 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18¼- —
80%, chips, cs., c.l., same basis..lb. .15½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis....lb. .41 - —
2, cs., c.l., same basis....lb. .24 - —
3, cs., c.l., same basis....lb. .17¾- —
Kino, tins.....lb. No price
Kino, tins.....lb. No price
Locust bean, powd., bbls....lb. 1.40 Nom.
Mastic, cs.....lb. 1.50 - 1.65
Myrrh, USP, cs.....lb. .50 - .55
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb. .20 - .35
Opium (see O.).
Rosin (see R).
Sandarac, cks.....lb. .52½- .55
Scammony, cs.....lb. 1.10 - 1.75
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.16.50 - —
Tragacanth, Alleppo, 1 cs....lb. 3.25 - 3.40
2 cs.....lb. 2.70 - 2.80
3 cs.....lb. 1.10 - 1.20
Yacca, bgs.....lb. .06½- .07¾
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.27.65 - —
New Brighton, N.Y.; frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
plaster of paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Akron, N. Y.; Blue Rapids, Kansas; Clarence Center, N.Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southard, Okla.; Sweetwater, Tex.; frt. equald.. ton. 8.00 - —
terra Alba, dom., paper bgs., c.l., f.o.b. New Brighton, N.Y.; Southard, Okla..ton.12.00 - —
Harlem River, N. Y...ton.12.00 -
import, bgs., ex dock....ton. No prices

H

Hawthorn berries, bgs.....lb. .45 - .46
Heliotropin, cryst., cns.....lb. 3.00 - 3.40
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .50 - .55
Hematine, cryst., bgs., No. 1..lb. .34 - —
No. 2..lb. .30 - —
No. 3..lb. .28 - —
No. 4..lb. .26 - —
No. 5..lb. .24 - —
paste, bxs, No. 1.....lb. .14½- —
No. 2.....lb. .13½- —
No. 3.....lb. .12½- —

Fringetree—Isopropyl Prop.

Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .03 - —
Hempseed, Manchur, bgs.....lb. .09 - .09½
Henbane leaves, bbls.....lb. 3.40 Nom.
Henna leaves, bls.....lb. .27 - .28
powd., bbls., bxs.....lb. .30 - .31
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .15 - —
tanks, Group 3.....gal. .09 - —
Normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .14 - —
tanks, Group 3...gal. .09 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine,[b,c,e] tech., dms., 1,500 lbs. or more, shipment, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,500 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .35 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, tanks, Group 3, gal. .09¾- —
dms., c.l., dlvd., Group 3..gal. .24 - —
l.c.l., 5 or more, dlvd., Group 3..gal. .29 - —
1-5, dlvd., Group 3.....gal. .33 - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Hematropine hydrobromide, 25 oz., bots..oz.17.50 -32.00
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.80 - 3.00
Hops, N.F., bls.....lb. .20 - .21
Horehound, bls.....lb. .11 - .12
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.18.00 - —
Hydrochloride, bots., 4 oz...oz.18.00 - —
Sulphate, bots, 4 ozs.....oz.18.00 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofluramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls..lb. .03¾- .04
100 vols., cbys., E. of Miss. River: West Coast via Panama Canal..lb. .16 - .18½
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellal, cns.....lb. 5.25 Nom.
Hyoscine hydrobromide, bots.gm. 3.50 - —
Hyoscyamine, bots.....oz.21.25 -27.50
Hydrobromide, bots.....oz.21.25 -27.50
Sulphate, bots.....oz.21.25 -27.50
Hypernic, cryst., bgs., No. 1..lb. .42 - —
No. 2..lb. .34 - —
extract, bbls., No. 1.....lb. .24 - —
No. 2..lb. .19 - —

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.20
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz.12.50 - —
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.67 - —
kgs., 150 lbs., less 5% ex whse., Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
Iodoform, dms., 100 lbs.....lb. 3.92 - 4.10
jars .....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
beta, bots.....lb. 2.90 - 2.95
Methyl, alpha, 100%, cns....lb. 4.25 - —
Ipecac root, bgs.....lb. 1.80 - 1.90
powd., bxs.....lb. 1.85 - 1.90
Irish moss, ordinary, bls.....lb. .25 - .28
powd., 80-90 mesh, bbls..lb. .35 - .38
prime bleached, bls.....lb. .32 - .35
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd....lb. .06 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .09
liquor, cbys., wks., frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
solut. cbys., works, frt. alld. or equald..lb. .06½- .07
djns. .....lb. .07½- —
Citrate, USP VIII, pearls....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.30 - —
100-lb. lots.....lb. 3.40 - —
cns., 25 lbs.....lb. 3.52 - —
Hyposulphite, bbls., dms.....lb. 1.50 - 1.60
Iodide, bots.....lb. 3.18 - 3.22
syrup, cbys.....lb. .39 - .40
bots.....lb. .53 - —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, powd., kgs.....lb. .47 - .49
cns.....lb. .52 - —
scales, cns.....lb. .82 - .85
Oxide, black, bbls., works...lb. .08 - —
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Pyrophosphate, pearls, cns..lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Coppers and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., 2,000-lb. lots, dms.. lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
pearls, 2,000-lb. lots, dms.. lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
scales, 2,000-lb. lots, dms.. lb. .44 - —
200-lb. lots, dms.....lb. .47 - —
Prices on green are the same as for brown.
Iron-ammonia oxalate, bbls...lb. .23½- —
dms., kgs.....lb. .25½- —
Iron-soda oxalate, bbls.....lb. .23½- —
dms. .....lb. .25½- .26½
Isobutyl acetate, 55-gal. dms., works...lb.0660 - —
tanks, works.....lb.0760 - —
Propionate, dms., works...lb. .102 - —

Isopentane—Methanol

Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .55 - —
Isophorone, dms., works.....lb. .25 - —
Isopropylamine, dms., works...lb. .35 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .12 - —
c.l., E. of Rockies, frt. alld. lb. .08½- —
l.c.l., E. of Rockies, frt. alld..lb. .09 - —
tanks, E. of Rockies, frt. alld..lb. .07½- —
Alcohol (see Alcohol).
Ether, dms., 5 gals., frt. alld. gal. .55 - —
55 gals., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gals., c.l., W. of Miss. frt. alld..gal. .30 - —
l.c.l., E. of Miss., frt. alld. gal. .44 - —
tanks, E. of Miss., frt. alld. gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .37 - .48
powd., bbls., bxs.....lb. .42 - .53
resin, lump, 100-lb. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .75 - .90

K

Kamala, tins.....lb. .33 - .34
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene[3] at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0530- —
California (f.o.b. San Francisco), truck..gal. .11½- —
Gulf ports, p.w., bulk.....gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., blk..gal. .04½- .04⅝
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04½- .04⅝
Pennsylvania, 45 w.w., tanks, gal. .05½- .06
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs.11.75 -11.85
Middlewestern, trcs....100 lbs.11.15 -11.25
Neutral, trcs.....100 lbs.12.25 -12.50
Western, choice, trcs..100 lbs.11.25 -11.35
Compound, trcs.....100 lbs.15.50 -15.75
Larkspur seed, bgs.....lb. 2.10 Nom.
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .58 - .59
Portuguese, bls.....lb. .25 - .27
Lavender flowers, ordinary, bls.lb. .60 - .65
medium, bls.....lb. .83 - .85
select, bls.....lb. .93 - .95
Lead acetate, white, broken, bbls., lb. .12 - .12½
cryst., bbls.....lb. .12 - .12½
gran., bbls.....lb. .12¾- .13½
powd., bbls.....lb. .12¾- .13½
Arsenate, bgs., c.l.....lb. .09 - .11
l.c.l., bgs.....lb. .09½- .11½
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .06¾- —
l.c.l., dlvd. E.....lb. .07 - —
dlvd., Aris., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07 - —
dlvd., Aris., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07½- —
Carbonate (see Lead, white).
Chloride, fib. dms., 100 lbs....lb. .19 - —
Iodide, NF V, powd., 5-lb. bots. lb. 2.80 - —
jars.....lb. 2.69 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Peroxide, powd., bbls., tech..lb. .23 - —
Oleate, bbls.....lb. .18½- .20
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Aris., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.....lb. .0660- —
Other points.....lb. .0835- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. Cascade Mts. in Ore. and Wash...lb. .09 - —
Aris., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash...lb. .09½- —
Colo., Mont., N. Mex., Wyo..lb. .09¼- —
Other points.....lb. .09⅝- —
smaller lots, Ala., etc. lb. .09¼- —
Aris., etc.....lb. .10 - —
Colo., etc.....lb. .09⅝- —
other points.....lb. .09¼- —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .0885- —
other points.....lb. .0960- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¼- —
Aris., etc.....lb. .09⅝- —
Colo., etc.....lb. .07½- —
other points.....lb. .09 - —
smaller lots, dlvd. Ala...lb. .09⅝- —
Aris., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09½- —
95% Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc. lb. .0910- —
other points.....lb. .0885- —
Lead, red, dry, 98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., l.c.l., 5 tons, dlvd. Ala., etc..lb. .09½- —
Aris., etc.....lb. .10 - —
Colo., etc.....lb. .09⅝- —
other points.....lb. .09¼- —
smaller lots, dlvd. Ala., etc..lb. .10 - —
Aris., etc.....lb. .10½- —
Colo., etc.....lb. .10¼- —
other points.....lb. .09⅝- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused, 15%, bbls...lb. .09½- —
pale, bbls.....lb. .11¼- —
Silicate, bgs., 5 tons.....lb. .0650- —
smaller lots.....lb. .0701- —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titinate, bgs. or bbls., c.l. basic sulphate, bbls., c.l., (20 tons), works, frt. alld..lb. .10½- —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .10½- —
Pac. Cst., ex whse....lb. .10½- —
smaller lots, E. frt. alld..lb. .10⅝- —
Pac. Cst., ex whse....lb. .10⅝- —
White, dry, basic carbonate, bbls., c.l., dlvd. Aris., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07⅝- —
other points.....lb. .07½- —
l.c.l., dlvd. Ariz., etc....lb. .08 - —
other points.....lb. .07⅝- —
basic sulphate, bbls., c.l., dlvd. Aris., etc.....lb. .07 - —
other points.....lb. .06⅝- —
l.c.l., dlvd. Ariz., etc...lb. .07½- —
other points.....lb. .07 - —
in oil, 100-lb. kgs., consumers, lb. .12¼- —
dealers .....lb. .11¼- —
painters .....lb. .12¼- —
Consumers' prices and painters' are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b. N. Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis, lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis. lb. .40 - —
Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.
Lemon peel, bls.....lb. .20 - .25
Licorice extract, mass, cs.....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .28 Nom.
powd., bbls., bxs.....lb. .33 Nom.
select, bdls., cs.....lb. .90 Nom.
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Adams, Mass.....ton. 8.00 - —
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Mannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich...ton. 8.00 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newals, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
Hydrated, paper bgs., f.o.b.
Adams, Mass.....ton. 8.50 - —
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Mannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newals, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
Spray, paper bgs., f.o.b. Adams, Mass..ton. 9.50 - —
Bellefonte, Pa.....ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis..lb. .08½- .09½
dms., same basis.....lb. .12 - —
Lime-sulphur, solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50, dms.....gal. .11 - .16
Zone 3, tanks, dealers, dlvd. gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4 ,tanks, dealers, wks., gal. .06 - —
dms., wks., except Cal.gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10½- —
dms.....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14
Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo. and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.
Linalool, cns.....lb. 3.75 - 4.00
Linalyl acetate, 97%, cns.....lb. 3.00 - 3.50
90%, cns.....lb. 4.00 - 4.50
92%, cns.....lb. 5.50 - 6.20
Linden flowers, with leaves, bls.lb. .70 - .75
without leaves, bls.....lb. .55 Nom
Linseed, meal, bgs.....ton.32.50 - —
Litharge, com'l powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark.; Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0760- —
dlvd., other points.....lb. .0735- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08 - —
Aris., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08¼- —
Colo., Mont., N. Mex., Wyo..lb. .08¼- —
Other points.....lb. .07⅝- —
smaller lots, dlvd., Ala.lb. .08½- —
Aris., etc.....lb. .09 - —
Colo., etc.....lb. .08⅝- —
Other points.....lb. .08¼- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, NF VI, 250-lb. bbls. lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.35
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05¼- —
smaller lots.....lb. .05½- —
bbls., c.l. (20 tons).....lb. .05½- —
smaller lots.....lb. .05⅝- —
Ordinary, bgs., c.l. (20 tons).lb. .0385- —
smaller lots.....lb. .0410- —
bbls., c.l. (20 tons).....lb. .0410- —
smaller lots.....lb. .0485- —
Lithopone in car lots is ¼c. per lb. higher delivered to the Pac. Cst., and in less car lots is ¼c. higher ex whse. Pac. Cst.
Liverwort, leaves, bls.....lb. .60 - .65
Lobelia, herb, bls.....lb. .23 - .25
Seed, bgs.....lb. .35 - .36
Logwood, cryst., bgs., No. 1..lb. .28 - —
No. 2..lb. .26 - —
extract, bbls., No. 1.....lb. .14 - —
No. 2..lb. .13 - —
No. 3..lb. .12½- —
No. 4..lb. .10 - —
solid, bxs., No. 1.....lb. .23½- —
No. 2..lb. .21½- —
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N.E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.50 - 4.75

M

Mace, Banda, cs.....lb. .47 - .48
Batavia, cs.....lb. .29 - .30
Sinaw, cs.....lb. .37 - .38
West Indian, cs.....lb. .51 - .52
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .78 - .90
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09⅜- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls.....lb. .09¼- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09½- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¼- —
l.c.l., bgs.....lb. .08¾- —
bbls.....lb. .09¼- —
kgs.....lb. .10½- —
Other points.....lb. .08 - —
Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l. shipments, frt. equald, with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.
Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., ton.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hydroxide, med., 200-lb. bbls.lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .83 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .15 Nom.
Stearate, bbls., ctns., 1 ton..lb. .28 - —
smaller lots.....lb. .29 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .37 - —
smaller lots, dms.....lb. .42 - —
cs., 500-lb. lots.....lb. .40 - —
100-lb. lots.....lb. .42 - —
5-lb. cns.....lb. .60 - —
Magnesite, cal., dom., bgs...ton.67.00 -75.00
imports, bgs., duty paid..ton. No prices
dead-burned, dom., bulk., c.l., f.o.b. Chewelah, Wash..ton.22.00 -25.00
Malva flowers, black, bls.....lb. .90 - .95
blue, bls.....lb. .90 Nom.
Leaves, bls.....lb. .40 - .45
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .14 - .15
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.71.50 - —
5-15 tons, works.....ton.74.50 - —
½, 4 tons, works.....ton.79.50 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works....ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works...ton.74.75 - —
smaller lots, works...ton.79.75 - —
paper bgs., c.l., works...ton.70.00 - —
l.c.l., 5 tons, works....ton.73.00 - —
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .71 Nom.
Resinate, fused, 3½%, bbls..ton. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., ton lots, works, lb. .10½- —
single, bbls., works.....lb. .11½- —
fertilizer, 65%, MnSo., bgs., c.l., dlvd., South..ton.57.00 - —
l.c.l., bgs.....ton.65.00 -75.00
Mangrove bark, bgs., shipt...ton.37.00 -38.00
Manna flake, large, cs.....lb. 2.00 Nom.
small, cs.....lb. 1.50 Nom.
Mannitol, com'l grade, bbls., ton lots, works..lb. .85 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, No. 1.....lb. .60 Nom.
Tunisan, bls.....lb. .32 - .33
Chilean .....lb. .12½- .13
Menthol, natural, Chinese, cs..lb. 6.75 - 7.00
Japanese, cs.....lb. 6.75 - 7.00
synthetic, USP, cs.....lb. No prices
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.84 - —
25 lbs.....lb. 1.96 - —
50%, pails, 50 lbs.....lb. 1.94 - —
25 lbs.....lb. 1.96 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 2.82 - —
100-lb. fib. dms.....lb. 2.60 - —
25-lb. jars.....lb. 2.71 - —
Chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd.....lb. 4.00 - 4.05
Iodide, red, NF, 5-lb. bots..lb. 4.51 - —
100-lb. fib. dms.....lb. 4.40 - —
yellow, 5-lb. bots.....lb. 4.61 - —
fib. dms., 100 lbs.....lb. 4.50 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate), tech. (see Red, mercury oxide).
yellow, tech. (see Yellow, mercury oxide).
NF VI, fib. dms., 50 lbs., or more..lb. 3.38 - —
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
Mercury and chalk, 5-lb. ctns..lb. 1.85 - —
25-lb. fib. dms.....lb. 1.73 - 1.75
Metal leaf, Japanese, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in....pkg. 2.50 - —
composition, 5½x5½ in.....pkg. 3.00 - —
gold, XX, deep, 23K, 3¾x3¾ in. pkg.15.00 - —
silver, 3¾x3¾ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs....lb. .70 - —
Methanol,[2,5,6] natural, producer group A, denat., grade tanks, gal. .60 - —
95%, tanks.....gal. .73 - —
97%, tanks.....gal. .75 - —
Pure, dms.....gal. .75 Nom.
99%, dms.....gal. .60 - —
Methanol in drums, car lots, is 6c. per gal. higher, frt. alld. east of the Miss. river. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.
group B, pure, tanks, frt. alld., Zone 1..gal. .40 - —
Zone 2.....gal. .42 - —
Zone 3.....gal. .44 - —
Zone 4.....gal. .44½- —
dms., c.l., Zone 1.....gal. .45½- —
Zone 2.....gal. .47½- —
Zone 3.....gal. .49½- —
Zone 4.....gal. .51½- —
l.c.l., Zone 1.....gal. .48½- —
Zone 2.....gal. .65½- —
Zone 3.....gal. .52½- —
Zone 4.....gal. .65½- —
Group B, 95% frt. alld., prices 2c. more than pure, all zones.
97%, frt. alld., prices 1c. more than pure, all zones.
Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Methanol, synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .34½- —
2, frt. alld.....gal. .36½- —
3, frt. alld.....gal. .38½- —
4, frt. alld.....gal. .40½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .37 - —
2, frt. alld. or dlvd..gal. .44½- —
3, dlvd., S. F. and L. A., gal. .41 - —
4, frt. alld. or dlvd..gal. .52½- —
tanks, Zone 1, frt. alld..gal. .28 - —
2, frt. alld.....gal. .30 - —
3, frt. alld.....gal. .32 - —
4, frt. alld.....gal. .32½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- .12
W. of Miss. R.....lb. .11½- .13
l.c.l., dms., dlvd., E. of Miss. R..lb. .11 - .12½
W. of Miss. R.....lb. .12 - .13½
tanks, dlvd. E. of Miss. R. lb. .09¼- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .07 - .09
W. of Miss. R.....lb. .08 - .10
l.c.l., dlvd. E. of Miss. R..lb. .07½- .09½
W. of Miss. R.....lb. .08½- .10½
tanks, dlvd. E. of Miss. R. lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —

Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .75 - —
dms., c.l., same basis.....gal. .81 - —
l.c.l., same basis..gal. .86 - —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl acetone, natural, group B, producers, tanks, Zone 1..gal. .50 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .54 - —
Zone 4.....gal. .54½- —
dms., c.l., Zone 1.....gal. .55½- —
Zone 2.....gal. .57½- —
Zone 3.....gal. .59½- —
Zone 4.....gal. .61½- —
l.c.l., Zone 1.....gal. .58½- —
Zone 2.....gal. .75½- —
Zone 3.....gal. .62½- —
Zone 4.....gal. .75½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Methyl acetone, synthetic tanks, Zone 1—gal. .43 Nom.
Zone 2.....gal. .44½ Nom.
Zone 3.....gal. .45½ Nom.
Zone 4.....gal. .45½ Nom.
dms., c.l., Zone 1.....gal. .51 Nom.
Zone 2.....gal. .52 Nom.
Zone 3.....gal. .53½ Nom.
Zone 4.....gal. .54½ Nom.
l.c.l., Zone 1.....gal. .54½ Nom.
Zone 2.....gal. .57 Nom.
Zone 3.....gal. .58 Nom.
Zone 4.....gal. .59 - —

Alcohol (see Methanol).

Anthranilate, bots.....lb. 2.00 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 490 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl, cinnamate, bls.....lb. 1.50 - 4.00
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd...lb. .80 - —
Iodide, bots.....lb. 4.00 - 4.15
Salicylate, dms.....lb. .35 - .37
cns.....lb. .37 - .40
Molybdated violet toner, bbls.lb. .35 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 2,000 lbs. or more, works..lb. .50 - —
100 to 1,999 lbs., works...lb. .55 - —
1 to 99 lbs., works.....lb. .60 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98 - 100%, dms., works..lb. .32 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .08½- —
l.c.l., same terms.....lb. .09 - —
tanks, same terms.....lb. .07½- —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., c.l., dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .11 - —

Methylnaphthyl ketone, dom., cryst., cns..lb. 2.75 - 3.05
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
230 mesh, containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —
Mica, dry grd., amber, No. 1, quality, c.l..ton.30.00 - —
l.c.l., 5,000 lbs.....ton.40.00 - —
1,000 lbs.....lb. .02 - —
500 lbs.....lb. .02½- —
100 lbs.....lb. .03 - —
refined, c.l.....ton.20.00 - —
l.c.l., 5,000 lbs.....ton.30.00 - —
paint, c.l.....ton.55.00 - —
l.c.l., 5,000 lbs.....ton.65.00 - —
white, No. 1 quality, c.l..ton.35.00 - —
l.c.l., 5,000 lbs.....ton.45.00 - —
1,000 lbs.....lb. .02½- —
500 lbs.....lb. .03 - —
roofing, c.l.....ton.29.00 - —
l.c.l., 5,000 lbs.....ton.39.00 - —
paint, c.l.....ton.60.00 - —
l.c.l., 5,000 lbs.....ton.70.00 - —
wet grd., paint or lacquer, c.l..lb. .04½- —
l.c.l.....lb. .05 - —
paper, wall or coated, c.l..lb. .04⅜- —
l.c.l.....lb. .04⅞- —
rubber, c.l.....lb. .04 - —
l.c.l.....lb. .04½- —
biotite, c.l.....lb. .03½- —
l.c.l.....lb. .04 - —

Mica, dry grd., is quoted in bags at the works; wet grd. mica in carload lots is frt. alld. E., and in less carload lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per lb. higher west of Rockies.

Milk, powder, skimmed, roller, bbls., c.l..lb. .11½- —
l.c.l.....lb. .12½- —
spray, bbls., c.l.....lb. .11½- —
l.c.l.....lb. .12½- —
unskimmed, roller, bbls., c.l., lb. .27¼- —
l.c.l.....lb. .27⅞- .28
spray, bbls., c.l.....lb. .27¼- —
l.c.l.....lb. .27⅞- .28
Millet seed, yellow, bgs.....lb. .0240-.0260
early fortune, bgs.....lb. .02¼- .02¾
hulled, bgs.....lb. .06½- .06¾
Mineral spirits (see Petroleum thinners and VM & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .00½- —
f.o.b. Gulf ports.....gal. .09 - —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99%, powd..lb. 2.60 - 3.00

Molybdenum, trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., wks..lb. .50 - —
l.c.l., works.....lb. .53 - —
Monoamylnaphthalene, l.c.l., dms. works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., wks..lb. .37 - —
l.c.l., works.....lb. .40 - —
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100%, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Monochlorobenzene, dms., l.c.l. lb. .07 - —
smaller, cns.....lb. .08 - .09
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .60 - —
l.c.l., dlvd.....lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monomethylpara-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, powd., 5-oz. bots. oz. 9.00 - —
25-oz. cans.....lb. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c., works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cans.....lb. .15 - .16
flowers, cns.....lb. 1.50 - 1.55
Musk, nat., Tonquin, grains, bots..oz.30.00 -35.50
synth., ambrette, cns., 100 lbs. or more..lb. 3.75 - —
5 lbs. to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 4.20 - —
ketone, cns., 100 lbs. or more, lb. 3.90 - —
5 lbs. to 75 lbs.....lb. 4.00 - —
1 lb.....lb. 4.35 - —
xylol, cns., 100 lbs. or more, lb. 1.15 - —
5 lbs. to 75 lbs.....lb. 1.25 - —
1 lb.....lb. 1.55 - —

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Musk Root—Oil, Lime

Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown.....lb. .16 - .16½
yellow, bgs.....lb. .13½- .14
Chinese, yellow, bgs.....lb. .06¼- .06¾
Danish, yellow.....lb. .27 - .28
English, yellow, bgs.....lb. .27½- .28
Dutch yellow, bgs.....lb. No stocks
Montana, yellow, bgs.....lb. .08 - .08½
Roumanian, yellow.....lb. .14½- .15
Myrobalans, JI, bgs., f.a.s...ton. No price
J2, bgs., f.a.s.....ton. No price
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, bbls.....lb. .10 - .10½

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene,[6] crude, dom., 74 deg., tanks, works...100 lbs. 2.25 - —
78 deg., tanks, works..100 lbs. 2.50 - —
Naphthalene, refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works, lb. .08 - —
50-lb. cs., same basis....lb. .08¼- —
pkgs. (16 oz.), same basis..lb. .08½- —
(12 oz.), same basis....pkg. .07 - —
Nerolin, cryst., cns.....lb. 1.35 - 1.50
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100 lbs., dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine, sulphate, 40%, dms., works, frt. alld..lb. .703 - —
10-lb. tins.....lb. .86½- —
Niger seed, bgs.....lb. .15 - .16
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., wks., lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester, soluble, 30-35, ¼, ½ sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
Lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitroethane, l.c.l., dms., works, lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, dom., 10% ammon., bulk, f. o. b. Carrollville, Wis., dlvd..unit-ton. 2.25 Nom.
f.o.b. Chemical, Ill..unit-ton. 2.25 Nom.
f.o.b. East Coast producing points..unit-ton. 2.75 - 3.00
import, bgs., c. i. f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, l.c.l., dms., works, lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Aleppo, bgs., oz....lb. No prices
Chinese .....lb. .30 Nom.
Extract (see Gall extract).
Nutmegs, E. I., 80s, bgs., cs..lb. .18½- .19
110s, bgs., cs.....lb. .17 - .17½
small, grinding, bgs.....lb. .15 - .15½
West Indian, bgs.....lb. .14 - .14½
Nux Vomica, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .11 - .12

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks .....lb. .02 - —
Ocher (see Yellow).
Octane, 100-140° C., industrial grade, dms., c.l., G. 3, gal. .15 - —
l.c.l., G.3.....gal. .27 - —
10 gals., G.3.....gal. .55 - —
tanks, G.3.....gal. .12½- —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, U.S.P., bots.....lb. 3.50 - 3.75
sweet, true, exp., cns.....lb. 1.80 - 1.85
Amber, crude, cns.....lb. No stocks
ref'd, cns.....lb. No stocks
Amyris, cns.....lb. 3.75 - —
Angelica, root, bots.....lb. No stocks
seed, bots.....lb. 110.00- 120.00
Anilin (see A).
Anise, USP, cns., dms.....lb. 1.15 - 1.35
Apricot, kernels, cns.....lb. .40 - .45
Avocado, cns., dms.....lb. .80 - .90
Bay, W. I., 50-55% phenols, cns..lb. .90 - 1.25
55-60% phenols, cns.....lb. 1.00 - 1.35
Bergamot, artif., cns.....lb. 2.75 - 2.25
natural, coppers.....lb.20.00 Nom.
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. .90 - —
rect'fd., cns.....lb. 1.50 - —
Bois de Rose, Brazil, cns....lb. 3.65 - 3.75
Cade USP IX (see Oil Juniper tar).
Cajeput, tech., dms.....lb. .82 - 1.10
USP IX, cns.....lb. .84 - 1.25
USP X, cns.....lb. 1.10 - 1.25
Calamus, cns.....lb. No stocks
Camphor, sassafrassy, cns...lb. .29 - .30
dms. .....lb. .27 - .29
white, cns.....lb. .32 - .33
dms. .....lb. .30 - .31
Cananga, native, cns.....lb.10.00 -11.00
rectified, cns.....lb.11.00 -12.00
Capsicum (oleoresin), USP VIII, cns..lb. 3.85 - 5.50
Caraway, USP, cns.....lb.12.00 -12.50
Cardamom, bots.....lb.25.50 -35.00
Cassia,[6] USP, cns.....lb. 6.00 - 6.25
Castor, blown, one-way dms., c.l..lb. .13¾- —
l.c.l. .....lb. .14 - —
cold pressed, USP, bbls., c.l. lb. .12¼- —
l.c.l. .....lb. .13 - —
cns. (1-gal.), l.c.l.....lb. .15¾- —
dms. (returnable), c.l...lb. .11¾- —
l.c.l. .....lb. .12½- —
(5-gal.), l.c.l.....lb. .13¾- —
tanks .....lb. .11 - —
dehydrated, dms., c.l.....lb. .1640- —
l.c.l. .....lb. .1680- —
tanks .....lb .1550- —
extracted No. 3, tech., bbls., c.l..lb. .11¼- —
l.c.l. .....lb. .12¼- —
dms. (returnable), c.l.....lb. .11½- —
l.c.l. .....lb. .12¾- —
tanks .....lb. .10¾- —
sulphonated, 50% (43% fat), dms., c.l..lb. .07¾- —
l.c.l. .....lb. .08¾- —
75% (63% fat), dms., c.l..lb. .10½- —
l.c.l. .....lb. .11½- —
80% (68% fat), dms., c.l..lb. .11 - —
l.c.l. .....lb. .12 - —
Castor oil, USP, and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums ¼c. higher, all points.
Cedarleaf, cs.....lb. 1.03 - 1.38
dms. .....lb. 1.00 - 1.35
Cedarwood, Southern, cns....lb. .32 - .33
dms. .....lb. .30 - .31
Celery, bots.....lb.30.00 -35.00
Chaulmoogra, USP, cns.....lb. .68 - —
Chinawood, dms.....lb. .35¾ Nom.
tanks .....lb. .34¼ Nom.
Cinnamon, bark, bots.....lb. 9.75 -32.00
leaf, dms.....lb. 1.00 - 1.20
Citronella, Ceylon, cns.....lb. 1.05 Nom.
dms. .....lb. 1.00 Nom.
Java, cns., dms.....lb. .85 - 1.00
Clove, makers, USP, cns....lb. 1.20 - 1.25
dms .....lb. 1.15 - 1.20
Coconut, Manila, crude, tanks, lb. .07¾ Nom
edible, 76°, ret. dms., c.l..lb. .13¼ Nom.
l.c.l. .....lb. .13¾- .14¼
tanks .....lb. No prices
Cod, Newf., dms.....gal. .78 - .80
Codliver, med., U.S.P., bbls.bbl. .85 - .90
Coriander, bots.....lb.26.00 -30.00
Corn, crude, tanks, works....lb. .12¼ Nom.
refd., bbls.....lb. .15¾ Nom.
Cottonseed, cooking, bbls....lb. .15 - —
salad, bbls.....lb. .15¼- —
Creosote (see C).
Croton, N.F., cns.....lb. 2.40 - 3.00
Cubeb, USP, cns.....lb. 3.50 - 3.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.00 -12.00
Cypress, bots.....lb.12.00 - —
Degrass (see D).
Dill seed, bots.....lb. 6.50 - 6.75
weed, bots.....lb. 5.75 - 6.00
Dip (see L).
Erigeron, cns.....lb. 2.25 - 2.35
Eucalyptus, cns.....lb. .68 - .73
dms. .....lb. .65 - .70
Fennel, sweet, cns.....lb. 2.50 - 2.75
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns. lb.16.00 - —
Bourbon, cns.....lb. 16.00- —
Turkish (see Palmarosa)
Grapefruit, cns.....lb. 1.65 - 2.65
Grapeseed, dom., dms.....lb. .35 - .36
imported, dms.....lb. .15 - .20
Ginger, dist., bots.....lb. 6.75 - 9.50
Guaiac wood, concrete, bots..lb. 3.75 - 4.50
Halibut liver, ref., dms....gal.38.50 - —
Hemlock, cns.....lb. .95 - 1.15
Juniper, berry, cns.....lb.15.00 - —
wood, tech., cns.....lb. No stocks
Juniper tar, USP XI, dms...lb. .72 - .95
Lard, common, 1, bbls.....lb. .12½- —
2, bbls.....lb. .12¼- —
extra, bbls.....lb. .13 - —
1, bbls.....lb. .12¾- —
Winter, strained, bbls....lb. .13¼- —
prime, burning, bbls.....lb. .13¾- —
prime, ined., bbls.....lb. .13½- —
Laurel, bots.....lb. 5.00 Nom.
Lavandin, cns., 25 lbs.....lb. No stocks
Lavender flower, French, 50% ester, cns..lb. No prices
38-42% ester, cns.....lb.10.00 -10.25
35-38% ester, cns.....lb. No prices
30-35% ester, cns.....lb. No prices
garden, cns.....lb. .55 - .70
spike, Spanish, tech., cns..lb. 2.70 - 2.00
dms. .....lb. 2.60 - 2.90
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns.....lb. 5.50 - 6.50
Terpeneless, Type 1.....lb.16.75 -17.00
Type 2.....lb. 8.50 -15.00
Lemongrass, native, cns., dms., lb. 1.90 - 2.00
Lime, dist., cns.....lb. 6.50 - 7.50
expressed, cns.....lb.12.50 Nom.
Terpeneless .....lb.46.50 -78.00

a CHALLENGE *and a* PROMISE

★1-NITROPROPANE

★2-NITROPROPANE

So new are the Nitropropanes that only a few of their many reactions have been investigated. But, because of their almost limitless possibilities, they present to every chemist an undeniable challenge and a promise of profitable applications—both in the improvement of present processes and products and in the development of entirely new ones.

As basic materials for chemical synthesis, these new chemicals are being used in the preparation of products ranging from pharmaceuticals to textile specialties. As solvents, too, the Nitropropanes are outstanding. They readily dissolve such difficultly-soluble materials as cellulose acetate, cellulose acetobutyrate and vinyl resins. Their strong solvent power indicates their usefulness in numerous extraction and purification processes.

Our chemists will gladly discuss with you the many possible applications for the Nitropropanes and their derivatives.

Properties	1-Nitropropane	2-Nitropropane
Molecular Weight	89.094	89.094
Specific Gravity at 20°C./20°C.	1.003	0.992
Boiling Point (760 mm.)	132°C.	120°C.
Flash Point	120°F.	103°F.
Weight per U. S. Gallon at 68°F.	8.4 lbs.	8.2 lbs.
Solubility in water at 20°C., cc. per 100 cc.	1.4	1.7
Solubility of water in product at 20°C., cc. per 100 cc.	0.5	0.6
Vapor Pressure at 20°C.	7.5 mm.	12.9 mm.
Refractive Index at 20°C.	1.4015	1.3941

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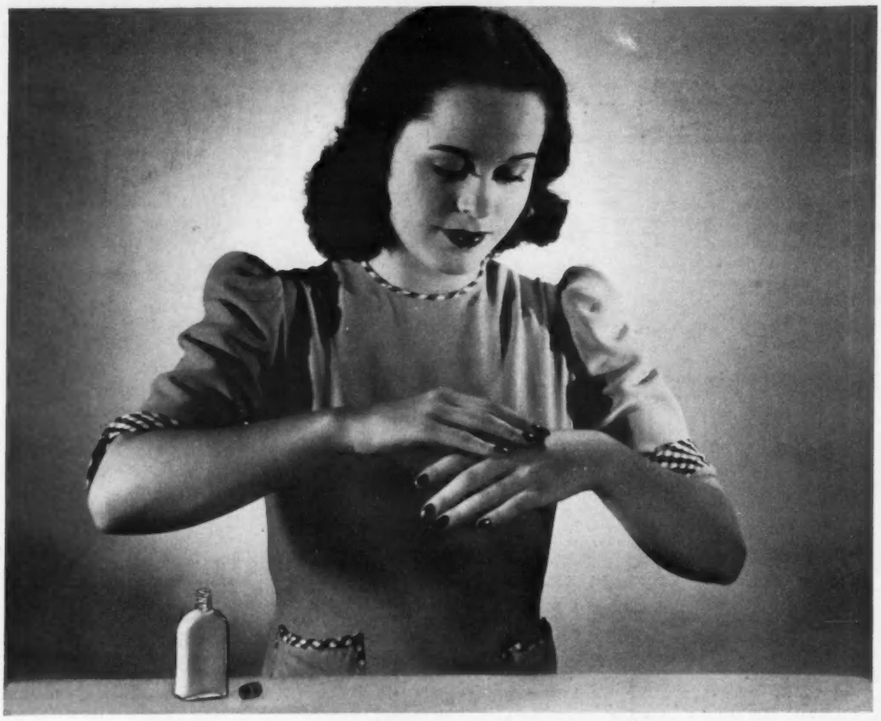
U.S.I. ALCOHOL NEWS

September ★ A Monthly Review of Technical Developments for Chemists and Executives ★ 1941

HAND LOTION SALES ON UP TREND



As more women enter new fields of employment, feminine hands need more care to keep them attractive, and signs point to an increasing demand for hand lotions containing alcohol.

Growing Number of Women Workers Expected to Boost Market Demand

A new spur to sales of hand lotions, protective creams, and similar products is seen in the increasing employment of women, particularly in mechanical tasks that make greater care of the hands imperative. Hand lotion makers using alcohol in their formulations have an excellent opportunity to secure a good share of this new potential market, because of the many desirable features that alcohol contributes to lotions.

Advantages of Alcohol

Comparatively high evaporation rate of alcohol results in a cooling, soothing effect when lotions containing it are applied to the skin. Because of its high solvent powers, it aids in the cleansing action of the lotion. Its antiseptic powers are an added advantage in formulating products that win popular approval. (U.S.I. produces Specially Denatured Alcohol in sixteen formulas authorized for use in face and hand lotions.)

PURIFIES VITAMIN A ESTERS WITH AID OF ETHYL ALCOHOL

A novel technique for purifying Vitamin A esters, described in a recent patent, utilizes ethyl alcohol as the solvent in an extraction process. The alcohol dissolves most of the impurities present, leaving a product of high purity.

The method is applicable both to Vitamin A esters obtained from fish oils by molecular distillation, and to those prepared by synthetic means. When Vitamin A esters are prepared by esterification of Vitamin A alcohol, the ethyl alcohol extraction process offers an effective way of separating the unreacted Vitamin A alcohol from the esters. No method was previously known for bringing about this separation, but an alcohol-water solution containing about 83-85% alcohol has been found to be a good solvent for the Vitamin A alcohol, while it does not dissolve the esters.

In purifying esters derived by molecular distillation of fish oils, the percentage of alcohol is not critical, and higher concentrations can be used, such as 95 or 96%. When the concentrate contains a considerable amount of impurities, repeated extraction with fresh alcohol is suggested.

TECHNICAL DEVELOPMENTS

For further information write U.S.I.

A new aromatic chemical is described as being of lactone structure with a caramel odor and a strong suggestion of strawberry. Maker recommends it for producing artificial flavors or for reinforcing natural flavors, as well as for imparting a new note in perfumes. **(No. 490a)**

Synthetic oil of coriander V can be used to replace the natural product in all toilet preparations without discoloration, according to the manufacturer. Product is not intended for use in pharmaceutical preparations. **(No. 491a)**

An ampoule washing machine is reported to handle ampoules ranging in size from 1 to 10 cc. at the rate of 60 ampoules a minute. Machine provides total washing time of 44 seconds for each ampoule. **(No. 492a)**

Surface-active agents for the soap and cosmetic industries are described in a new bulletin giving suggested formulations in shaving creams, shampoos, liquid soap, medicated and toilet soaps, bubble baths, and dentifrices. **(No. 493a)**

A low-cost homogenizer with a capacity of 15 gallons per hour is said to be suitable for use by flavoring, drug, and cosmetic manufacturers. Unit provides working pressures from 800 to 2,500 pounds. **(No. 494a)**

BUBBLE BATH PREPARATIONS CAPTURE CUSTOMERS' FANCY

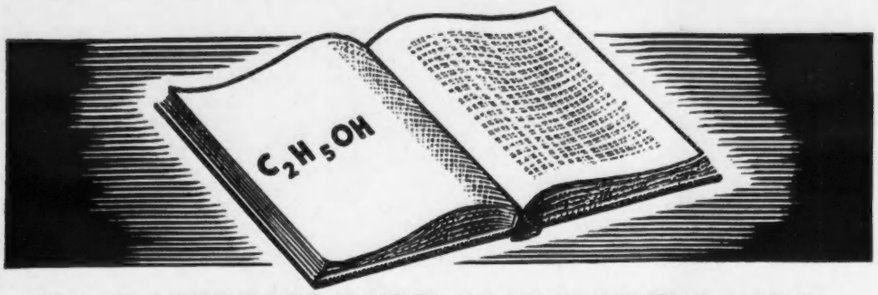
Still a relative newcomer among cosmetic products, the bubble bath preparations are continuing to forge ahead in their strong bid for popular approval. Consisting chiefly of a foaming agent and a water softener, these preparations offer interesting possibilities to cosmetic manufacturers who want to build sales by diversifying their line.

In formulating colored bubble bath preparations (which should help to give sales a lift when packaged in transparent containers), alcohol can be used to advantage in dispersing the color, resulting in greater color uniformity in the finished product. In addition, alcohol is often used to give better dispersion of the essential oils employed for perfuming, and thus to decrease the tackiness of the finished preparation.

U.S.I. INDUSTRIAL CHEMICALS, INC.
60 EAST 42ND ST., NEW YORK (USI) BRANCHES IN ALL PRINCIPAL CITIES
INDUSTRIAL ALCOHOL IN ALL GRADES AND ALL FORMULAS

September ★ # U.S.I. ALCOHOL NEWS ★ 1941

THE ALCOHOL PRIMER



NO. 5 OF A SERIES ON THE SELECTION AND USE OF INDUSTRIAL ALCOHOL

S.D. ALCOHOL 23A

S.D. Alcohol 23A is an exceptionally versatile formula, authorized for use in a wide variety of applications in the food, drug, cosmetic, and similar industries.

The authorized composition calls for the addition of 10 gallons of acetone, U.S.P., to 100 gallons of ethyl alcohol. Since acetone itself has good solvent powers, the formula is adaptable to a broad range of solvent applications, not only in food, drug, and cosmetic manufacture, but in many other industries as well. This article discusses only those uses which are of interest to readers of U.S.I. ALCOHOL NEWS, and does not contain the complete list of authorized uses.

In Toilet Preparations

S.D. Alcohol 23A may be used in the manufacture of the following toilet preparations:

Hair and scalp preparations
Bay rum
Face and hand lotions
Body deodorants and deodorant creams
Shampoos
Toilet soaps and bath salts

It is also authorized for use in manufacturing external pharmaceuticals not U.S.P. or N.F.

A second group of authorized uses for S.D. 23A centers around extraction, purification, and crystallization processes. These applications differ from those already mentioned by the fact that the alcohol, while employed in manufacturing processes, does not remain in the finished product. A typical instance is in the extraction of pectin, in which alcohol is used to precipitate the pectin from water solutions. Among the other authorized uses in this group are the extraction, precipitation, or crystallization of:

Food products
Crude drugs
Glandular products and digestive ferments
Vitamins and related products
Medicinal chemicals, including alkaloids
Miscellaneous drugs, tablet manufacture
Perfume materials and fixatives

Miscellaneous Applications

Another use of S.D. 23A in the drug industry is as a vehicle for chemical reactions in the manufacture of drug products.

Authorized solvent applications in the manufacture of miscellaneous products also include:

Disinfectants, insecticides, etc.
Embalming products
Sterilizing and preserving solutions
Industrial soaps
Cleaning preparations and purposes
Theater sprays and incense

Properties of S.D. 23A

The resultant volume obtained by adding 10 gallons of acetone to 100 gallons of ethyl alcohol is 109.9 gallons, and the alcohol content of the finished formula (190-proof basis) is 91.02% by volume. The weight per gallon is 6.788 pounds.

S.D. Alcohol 23A is shipped in these containers:

Tank cars: 8,000 gallons, 6,000 gallons, and compartment tanks (3 x 2,000 gallons)
Drums: 55-gallon and 5-gallon steel drums
Barrels: 50-gallon wood barrels
Cans: 1-gallon boxed trade cans

Further information on S.D. 23A or other S.D. formulas may be obtained from U.S.I.

HERE AND THERE

With the raw material situation becoming more uncertain every day, the steps being taken by the TGA to establish an exchange bureau for the perfume and cosmetic industry represent a constructive development of considerable importance. Questionnaires have been distributed, asking for a list of raw materials needed by the individual company, and a list of raw materials which the company is willing to exchange for others needed. When the information received in reply to the questionnaires has been collated, the bureau will be able to act as a central clearing for exchange of materials, and thus contribute to relieving the raw materials situation.

Collaboration on Colors

Cooperation among cosmetic manufacturers is proving helpful as a sales aid also. Color harmony charts for selecting shades of lipstick and nail polish, already utilized in department stores, are now being put to work in the variety field, where they should be especially helpful in boosting sales for the makers of both the lipsticks and the nail enamels.

Shampoos in Favor

Liquid hair shampoos appear to be much in favor with the consumer these days, and the market is probably open for increased sales, since shampoos offer a simple and easy means of cleansing. Shampoos formulated with alcohol offer a number of advantages, since the fat-solvent properties of the alcohol contribute to thorough cleansing of the hair. Alcohol's antiseptic powers are another advantage, not only in shampoos, but in wave set lotions and other hair preparations.

The Stocking Situation

The "liquid stocking" idea received some extra attention during the last few weeks, when women were storming the hosiery counters in search of dwindling stocks. Offhand, it would sound as if the liquid make-ups as substitutes for stockings would probably be limited to the warm-weather season. Of course, it's rather early to predict just how the situation will develop so far as either hosiery or substitutes are concerned, but cosmetic manufacturers may want to keep an eye on the matter. It's within the bounds of possibility that there may be a whole new market here—and one that's not already saturated.

U.S.I. INDUSTRIAL CHEMICALS, INC.

60 EAST 42ND ST., N.Y. USI SERVICE TO INDUSTRY BRANCHES IN ALL PRINCIPAL CITIES

A SUBSIDIARY OF U. S. INDUSTRIAL ALCOHOL CO.

ALCOHOLS
Amyl Alcohol
Butanol (Normal Butyl Alcohol)
Fusel Oil—Refined
Methanol

Ethanol (Ethyl Alcohol)
Specially Denatured—All regular and anhydrous formulas
Completely Denatured—all regular and anhydrous formulas
Pure—190 proof, C.P. 96%, Absolute
U.S.I. Denatured Alcohol Anti-freeze
*Super Pyro Anti-freeze
*Solox Proprietary Solvent
*Solox D-I De-icing Fluid

***ANSOLS**
Ansol M
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ACETIC ESTERS
Amyl Acetate
Butyl Acetate
Ethyl Acetate

OXALIC ESTERS
Butyl Oxalate
Ethyl Oxalate

PHTHALIC ESTERS
Amyl Phthalate
Butyl Phthalate
Ethyl Phthalate
*Registered Trade Mark

PROPIONIC ESTERS
Amyl Propionate
Butyl Propionate

OTHER ESTERS
*Diatol
Ethyl Carbonate
Ethyl Chloroformate
Ethyl Formate
Ethyl Lactate

INTERMEDIATES
Acetoacetanilide
Acetoacet-ortho-anisidide
Acetoacet-ortho-chloranilide
Acetoacet-ortho-toluidide
Acetoacet-para-chloranilide
Ethyl Acetoacetate
Ethyl Benzoylacetate
Ethyl Sodium Oxalacetate

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

OTHER PRODUCTS
Acetone
*BK-5
Collodions
*Curbay B-G
*Curbay Binders
*Curbay X (Powder)
Derex
Ethylene
Ethylene Glycol
*Indalone
Methyl Acetone
Nitrocellulose Solutions
Potash, Agricultural
Urethan
*Vacatone

Oil, linaloe, wood, cns.....lb. 3.50 - 3.75
Linseed, raw, dms., c.l.....lb. .1150- .1170
l.c.l., 10 to 69.....lb. .1190- —
5 to 9.....lb. .1210- —
less than 5.....lb. .1230- —
tanks .....lb. .1060- .1080

boiled linseed oil .004 cent over raw.

Lovage, extra fine, bots.....lb. 35.00 - —
Lubricating, at refinery, ex tax, California, neutrals, pale, 200-600 vis., 2¼-4, tanks, gal. .07¼- .11
red, 200-600 vis., 4-6½ plus, tanks..gal. .07¼- .11⅛
Group 3, bright stocks, 100-210 D, 0-25 pour, tanks, gal. .19½- .24½
neutral, 150-400 vis., 3-3½, 0-10 pour, tanks..gal. .12¼- .17⅛
200-280 vis., 3, 15-25 pour, tanks..gal. .12 - .14¼
Pennsylvania[3], bright stocks, 8 color, 140-150 vis., 10-25 pour, tanks..gal. .25 - .30½
cylinder oils, 600-630 flash, tanks..gal. .15 - .17½
600 - 650 steam ref'd, tanks..gal. .15 - .16½
neutral, 70° F., 3 color, 150 vis., 0-25 pour, tanks..gal. .31 - .38¼
200 vis., 0-25 pour, tanks, gal. .35 - .40
Mace, dist., cns., dms.....lb. 2.15 - 2.65
Mandarin, Brazilian, cns....lb. 8.00 - —
Italian, coppers.....lb. 9.55 - —
Menhaden, crude, tanks, fut., Balto..gal. .58½ Nom.
ref'd alkali, dms.....lb. .1220 Nom.
kettle-bodied, dms.....lb. .1320 Nom.
light-pressed, dms.....lb. .1120 Nom.
tanks .....lb. .1000 Nom.
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, bots., cns., lb. 1.45 - 1.60
dist., natural, bots.....lb. 9.50 -10.00
Neatsfoot[6], 20° cold test, bbls., lb. No prices
extra, bbls.....lb. .13 - —
1, bbls.....lb. .12¾- —
prime, bbls.....lb. .13 - —
pure, bbls.....lb. .17¾- —
Neroli, bots.....lb. 200.06 -375.00
Nutmeg, dist., cans, dms.....lb. 2.15 - 2.65
Oiticica, liquid, dms.....lb. .22 - .22½
tanks .....lb. .21½- .22
Oleo, 1, bbls.....lb. .11¾- —
2, bbls.....lb. .12¼- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. 3.85 - 4.00
edible, Calif., dms.....gal. 4.75 - 5.00
imported, dms.....gal. 5.25 - 5.50
foots, dms.....lb. .16¾- .17⅛
sulphonated, 50% (40% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
75% (63% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
80% (68% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
Orange, sweet, dist., cs.....lb. 1.60 - —
expressed, Calif., cns.....lb. 3.00 - —
Florida, cns.....lb. 2.85 - 2.90
Messina, USP, coppers...lb. 8.00 Nom.
West Indies, cns.....lb. 4.75 - 6.00
terpeneless .....lb. 35.00 -175.00
Origanum, cs.....lb. 2.30 - 2.40
Palm, Niger, dms.....lb. .08¼ Nom.
Sumatra, tanks.....lb. .07⅝ Nom.
distant, ship't, bulk.....lb. .05 Nom.
Palmarosa, cns.....lb. 3.25 - 3.50
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¾- —
350° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
300° flash, 100-110 vis., tanks, G. 3..gal. .06¾-
Patchouli, bots., cns.....lb. 5.25 - 6.25
Peanut, crude, tanks.....lb. .12¼ Nom.
refd., edible, bbls.....lb. .15⅝ Nom.
Pennyroyal, dom., cns.....lb. 2.50 - 2.65
import, cns.....lb. 2.40 - 2.75
Peppermint, natural, cns., dms., lb. 3.60 - 3.90
redist., USP, cns., dms....lb. 3.95 - 4.15
Perilla, dms.....lb. .22½- .23
tanks .....lb. .21½- —
Petitgrain, Paraguay, cns...lb. 1.55 - 1.65
dms. .....lb. 1.50 - 1.60
Pimento berry, cns.....lb. 4.25 - 8.50
leaf, cns.....lb. 2.25 - 2.75
Pine, dest.dist., straw-color, dms., dlvd., E. ports..gal. .65 - —
steam-dist., dms.....gal. .65 - .68
Pineneedle, Siberian, cns.....lb. 1.75 - 1.80
Putty, bbls., E. Segundo, Richmond, Cal..gal. .20¾- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Boston, Providence, gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, tax incl., dms.....lb. .15½- .15⅝
tax not incl., tanks.....lb. .10 - —
blown, dms.....lb. .17½ Nom.
Red, dist., or saponif., dms., dlvd..lb. .12 - .13
tanks, dlvd.....lb. .11¼- —
West coast prices one cent higher.
Rose, synth., bots.....lb. 4.00 -30.00
natural, coppers.....oz. 16.75 -20.00
Rosemary, Spanish, cns.....lb. .88 - 1.03
dms. .....lb. .85 - 1.00
Rosin, 1st rectified, dms...gal. .48 - —
2d rectified, dms.....gal. .50 - —
3d rectified, dms.....gal. .54 - —
Rue, bots.....lb. 7.25 - —
Sage, cns.....lb. 2.10 - 2.20
Sandalwood, domestic, distilled, USP, cns..lb. 4.65 - 5.00
Mysore, cns., case lots....lb. 5.40 - 5.50
Sardine, crude, fut., tanks, Pac. Cst..gal. .60 Nom.
refd., alkali, dms.....lb. .1220 Nom.
kettle-bodied, dms.....lb. .1320 Nom.
light-pressed, dms.....lb. .1120 Nom.
tanks .....lb. .1000 Nom.
Sassafras, artif., cns.....lb. .75 - 1.30
dms. .....lb. No prices
natural, dom., cns., dms...lb. 1.05 - 1.20
Savin, cns.....lb. No stocks
Savory, cns.....lb. No stocks
Seal, tanks.....gal. .72 - —
Shark, tanks.....gal. .71 - —
Shark liver, crude, dms..million vitamin units. .10 - —
Shingle stains, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 8.50 -10.00
Soybean, dom., crude., dms..lb. .12¼ Nom.
tanks .....lb. .11½- Nom.
refd., dms.....lb. .13½- Nom.
tanks .....lb. .12¾ Nom.
Spearmint, dms.....lb. 2.55 - 2.80
Sperm, bleach, 38°, dms.....lb. .1270- —
45°, dms.....lb. .1200- —
natural, dms.....lb. .1150- —
Spruce, cns., dms.....lb. .95 - 1.25
Sweet, birch, North, cns.....lb. 2.50 - 3.25
South, cns.....lb. 1.60 - 1.75
Tall crude, dms., c.l., works, ton. 40.00 - —
l.c.l., works.....ton. 45.00 -50.00
tanks, works.....ton. 30.00 - —
distilled, dms., c.l., dlvd...lb. .05½- .07
l.c.l., dlvd.....lb. .06½- .08¼
tanks, dlvd.....lb. .05 - .06¾
refined, dms., c.l., works...lb. .04 - —
l.c.l., works.....lb. .04½- —
tanks, works.....lb. .03½- —
Tallow, acidless, bbls.....lb. .12¾- —
tanks .....lb. .11¾- —
Tansy, cns.....lb. 3.55 - 4.25
Tar, pine, com'l, dms., c.l., dlvd. E. cities..gal. .28 - —
E. ports, c.l.....gal. .27½- —
l.c.l. .....gal. .31 - —
tanks, dlvd. E. cities..gal. .21 - —
rectifd., USP, bbls., l.c.l., dlvd. E. ports..gal. .55 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .27 Nom.
refined, dms.....lb. .29 Nom.
Tea tree (see Oil, Ti tree).
Thyme, NF, red, cns.....lb. 1.85 - 2.20
white, cns.....lb. 1.95 - 2.35
Tung (see Oil, Chinawood).
Ti tree, cns.....lb. 2.50 - 2.65
Turkey red (see castor, sulphonated).
Turpentine (see T).
Oil, turtle, cns.....gal. 3.50 - —
Vetiver, Java, bots.....lb. 8.75 -11.00
Whale, ref., natural, dms...lb. .1070 Nom.
winter, bleach, dms.....lb. .1110 Nom.
Wheat germ, cns., dms.....gal. 17.50 -25.00
White, mineral, dom., tech., 50-60 vis., dms..gal. .34 - .43
65-75 vis., dms.....gal. .35 - .44
80-90 vis., dms.....gal. .36 - .45
USP, 80-90 vis., dms..gal. .38 - .47
95-105 vis., dms.....gal. .42½- .52½
125-135 vis., dms.....gal. .49 - .58
140-150 vis., dms.....gal. .51 - .60
175-185 vis., dms.....gal. .54½- .63½
200-210 vis., dms.....gal. .57½- .66½
320-330 vis., dms.....gal. .65 - .74
335-345 vis., dms.....gal. .66 - .75
Russian, 80-90 vis., dms...gal. No prices
145-155 vis., dms.....gal. No prices
175-185 vis., dms.....gal. No prices
335-345 vis., dms.....gal. No prices
Wintergreen, natural, North. cns..lb. 4.75 - 6.00
South, cns.....lb. 3.50 - 3.85
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.20 - 2.70
Wormwood, cns.....lb. 4.50 - 5.00
Ylang-ylang, Bourb., bots., cns. lb. No stocks
Manila, bots.....lb. 35.00 -40.00
Oilvine, aggregate c.l. mines, ton. 7.00 -11.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bags, c.l., wks..ton. 9.50 - —
ground, 325 mesh, c.l., mines.. ton. 20.00 - —
200 mesh, c.l., mines....ton. 17.00 - —
100 mesh, c.l., mines....ton. 15.00 - —
20 mesh to dust.....ton. 12.00 - —

Oil, Linaloe—Orange Peel

Opium, gum, USP, 50-lb. lots, cns..lb. 11.50 - —
25-lb. lots, cns.....lb. 11.75 - —
5-lb. lots, cns.....lb. 12.00 - —
1-lb. lots, cns.....lb. 12.15 - —
Prices on powd. and gran. USP opium are $1 per pound higher.
Orange, Lake, Persian, bbls...lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .11¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., Wash..lb. .11½- —
Colo., Mont., N. M., Wyo..lb. .11⅝-
5 bbls., dlvd., other points, lb. .11¾- —
smaller lots, dlvd., Ala., etc..lb. .12 - —
Ariz., etc.....lb. .12½- —
Colo., Mont., N. M., Wyo..lb. .12¼- —
Other points.....lb. .11¾- —
French, Tours, casks, ex dock, lb. No prices
kgs., ex dock.....lb. No prices
Orange, molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .30 - —
Orangeflower petals, cs.....lb. .45 - .80
Orange peel, bitter, bls.....lb. .09 - .19
sweet, bls.....lb. .10 - .12
Haitain, bgs.....lb. .07¼- .08

New Synthetic Gum Jellies with COLLORESIN

A Water Soluble Methyl Cellulose

Dimethyl Ether of Cellulose, a white fibrous solid which dissolves in water.

Resistant to the action of alkalies and dilute acids giving a clear colorless solution.

Colloresin is of interest to the manufacturer of cosmetics and pharmaceuticals as a replacement for natural gums and in the manufacture of Liquid Dentifrices, Tooth Pastes, Creams, Soapless Shampoos, Hair Grooms, Wave Sets, Brushless Shaving Creams, etc.

Tentative formulas for the above are available as well as instructions as to methods of its employment.

Available in seven viscosities.

GL 4C

Non Toxic Emulsifying, Detergent, Foaming, Wetting Agent

A protein-amino acid condensate exceptionally fine for Liquid Dentifrices, Soapless Shampoos, Brushless Shaving Creams, etc.

GL 4C may be readily used with Colloresin in the manufacture of these products.

Requests for samples on your firm's letterhead will be promptly answered.

Aromatics Division
GENERAL DRUG COMPANY
644 PACIFIC STREET, BROOKLYN, N. Y.
9 SOUTH CLINTON STREET, CHICAGO TRANSPORTATION BUILDING, LOS ANGELES
1019 ELLIOTT STREET W., WINDSOR, ONT.

Orris Root—Pyroxylin

Orris root, Florentine, bgs....lb. 2.25 Nom.
fingers, cs.....lb. No stocks
powd., bbls., bxs.....lb. 2.50 Nom.
Verona, bls.....lb. 2.00 Nom.
powd., bgs., cns.....lb. 2.25 Nom.
Orthoamyiphenol, l.c.l., dms., works..lb. .15 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloraniiin, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works..lb. .17 - —
l.c.l., same basis.....lb. .17½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - .07
l.c.l., same basis.....lb. .07 - .08
100-lb. tins, same basis.lb. .08 - .09
50-lb. tins, same basis..lb. .09 - .10
tanks, same basis.....lb. .06½- .06½
Orthodichlorobenzene prices west of Rockies, 1c. per lb. higher.
Orthonitroaniiin, dms.....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .80 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange, crystals, bgs....lb. .23 - —
extract, bbls., No. 1.....lb. .11 - —
No. 2..lb. .10 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 3.50 - 3.75
Paprika, Algerian, bgs.....lb. .32½- .33
Bulgarian, bgs.....lb. .26 - .29
Portuguese, fancy, bgs.....lb. .35½- .36
good, bgs.....lb. .33½- .34
Spanish, extra fancy, cs....lb. .42 - .42½
fancy, cs.....lb. .37 - .38
Parachlorophenol, dms.....lb. .32 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l..lb. .11 - .12
l.c.l.....lb. .12½- .13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla. refy..lb. .06¼ Nom.
bbls., c.l., N. Y.....lb. .06¼ Nom.
124-126 A.m.p., bgs., c.l., Okla. refy..lb. .06¼ Nom.
bbls., c.l., N.Y.....lb. .06¼ Nom.
yellow, 124-126 A.m.p., bbls c.l., N.Y...lb. .06 Nom.
fully refd., 123-125 A.m.p., bgs., c.l...lb. .0570 Nom.
128-130 A.m.p., bgs. or loose, c.l..lb. .0570 Nom.
131-133 A.m.p., bgs. or loose, c.l..lb. .0595 Nom.
133-135 A.m.p., bgs. or loose, c.l..lb. .0625 Nom.
135-137 A.m.p., bgs. or loose, c.l..lb. .0650 Nom.
138-140 A.m.p., bgs. or loose, c.l..lb. .0725 Nom.
143-145 A.m.p., bgs. or loose, c.l..lb. .0820 Nom.
151-153 A.m.p., bgs., or loose, c.l...lb. .15 Nom.
Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars 1c 5c. lower. Prices are for contract delivery.
match, A.m.p., up to and incl. 110-112 bbls., c.l..lb. .03½- —
Semi-refd., solid, 122-124 A.m.p., bgs..lb. .06 Nom.
Paraformaldehyde,[3,5,6] dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C..lb. .23 - —
100 to 999 lbs., shipments, same basis..lb. .24 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., works..lb. .12 - —
5 and 10-gal. dms., works..lb. .13 - —
USP, cs., cbys.....lb. .37 - .45
Paranitrophenol, kgs.....lb. .35 - —
Paranisidine, dms.....lb. .75 - —
Paranitroaniiin, kgs., works...in. .43 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrotoluene, kgs.....lb. .30 - —
Paraphenylenediamine, bbls...lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .48 - —
Pareira brava root, bls.....lb. .20 - .21
Paris green, dealer, dms., kegs, c.l., f.o.b. wks., frt. alld..lb. .24 - .26
l.c.l., same basis.....lb. .25 - .27
Passion flower, herb, bls.....lb. .06 - .07
Patchouli leaves, bls.....lb. .28 - .30
Pellitory root, bls.....lb. .30 - .32
Pennyroyal leaves, bls.....lb. .15 - .16
Pentachlorophenol, dms., works..lb. .20 - .25
Pentaerythritol, C.P., bbls., dlvd., lb. .75 - —
less than barrel lot.....lb. 1.00 - —
tech., bbls., dlvd.....lb. .33½- .35½
less than barrel lots.....lb. .40 - —
Pentaerythritol tetra acetate, bbls., dlvd..lb. 1.00 - —
less than barrel lot.....lb. 1.50 - —
Pentanes, 28°-38° C., industrial grade, dms., c.l., G.S. gal. .11 - —
l.c.l., G.S.....gal. .19 - —
tanks, G.S.....gal. .08½- —
laboratory grade, dms., c.l., G.S..gal. .16 - —
l.c.l., G.S.....gal. .27 - —
10 gals., G.S.....gal. .53 - —
Pepper, black, Alleppy, bags..lb. .09¾- .09¼
Lampong, bgs.....lb. .0630- .0650
Tellicherry, bags.....lb. .08¼- .09
white, Java, Muntok, bags..lb. .11 - .11½
Singapore Muntok, bgs.....lb. .10½- .11
Muntok, small berry, bags.lb. .10¼- .10¾
red, chillies, Japan, Montaka.lb. .27 - .27½
Mombassa, bgs.....lb. .24 - .24½
Sierre Leone, bgs.....lb. .24 - .24½
Peppermint leaves, dom., bls..lb. .70 - .75
Import, bls.....lb. 1.25 Nom.
Perchlorethylene, dms., c.l., works, frt. alld., zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08¼- —
Zone 2, dms., c.l., works, frt. alld..bl. .08¼- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09¼- —
All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A. Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.
Peru, balsam, dms.....lb. 1.35 - 1.40
Petrolatum, amber, dms.....lb. .03½- —
l.c.l.....lb. .04½- —
amber, extra, dms.....lb. .03¾- —
l.c.l.....lb. .04¾- —
white, cream, dms., c.l.....lb. .05 - —
l.c.l.....lb. .06½- —
lily, dms., c.l.....lb. .05¾- —
l.c.l.....lb. .07½- —
snow, dms., c.l.....lb. .06½- —
l.c.l.....lb. .08 - —
Petroleum, crude, bulk, at wells:—
California.....bbl. .43 - 1.71
Canada.....bbl. 1.08 - 1.76
Central West:—
Illinois.....bbl. 1.37 - —
Ohio.....bbl. 1.06 - 1.19
Michigan.....bbl. 1.17 - 1.44
Indiana.....bbl. 1.22 - —
East Texas.....bbl. 1.25 - —
Gulf Coast.....bbl. 1.06 - 1.48
Kentucky, Tennessee.....bbl. 1.22 - 1.43
Louisiana, Arkansas.....bbl. .94 - 1.36
Mexico.....bbl. No prices
Midcontinent (Oklahoma, Kansas, North Texas).....bbl. .75 - 1.25
Pennsylvania, Ohio, West Virginia:—
Bradford, Allegany....bbl. 2.75 - —
Corning.....bbl. 1.31 - —
N. Y. Transit lines....bbl. 2.75 - —
Eureka lines.....bbl. 2.34 - —
S. W. Penn lines.....bbl. 2.40 - —
Lower district in National Transit lines..bbl. 2.63 - 2.68
Rocky Mountains.....bbl. .98 - 1.20
South Central and Southwestern Texas..bbl. 1.03 - 1.50
Texas Panhandle, W. Texas and N. Mexico.....bbl. .70 - 1.27
Ether, laboratory grade, 30-60°C. c.l..gal. .16 - —
l.c.l.....gal. .27 - —
10 gals.....gal. .55 - —
35-60°C., l.c.l.....gal. .27 - —
10 gals.....gal. .55 - —
40-75°C., c.l.....gal. .16 - —
l.c.l.....gal. .27 - —
10 gals.....gal. .55 - —
Petroleum ether prices are spot quotations f.o.b. Group 3, for material packed in drums
Lacquer, diluent, at refinery:—
California, 100 l.b.n., 200 e.p., tanks, dlvd., Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
Willbridge, Ore., Fort Wolles, Wash..gal. .12 - —
East Coast, N. Y., tanks, gal. .11 - —
N. J., tanks.....gal. .11 - —
Group 3, toluol type, tanks, gal. .07½- .08¼
Benzol type, tanks..gal. .07½- .08¾
mineral spirits at refinery, California (f.o.b. San Francisco), 160-252 b.r., tanks, gal. .10½- —
198-290 b.r., tanks..gal. .10½- —
246-397 b.r., tanks...gal. .10¾- —
312-408 b.r., tanks...gal. .09 - —
362-458 b.r., tanks...gal. .09 - —
East Coast, N. Y., tanks gal. .09½- —
N. J., tanks.....gal. .09½- —
Group 3, tanks.....gal. .09¼- —
Gulf Coast, tanks.....gal. .09½- —
tankwagon:—
Albany.....gal. .13¼- —
Baltimore (100 gals.)..gal. .14 - —
25-99 gals.....gal. 16 - —
Boston.....gal. .11½- —
Bound Brook, North Amboy, N. J..gal. .13¼- —
Bridgeport, Conn.....gal. .14 - —
Buffalo.....gal. .15¼- —
Camden, N. J.....gal. .10 - .11¼
Chicago.....gal. .1370- —
Decatur.....gal. .1810- —
Des Moines.....gal. .1790- —
Evansville, Ind.....gal. .1420- .1530
Milwaukee.....gal. .1330- —
Minneapolis-St. Paul.gal. .1914- —
Newark.....gal. .0914- —
New York (200 gal.)..gal. .10½- —
Omaha.....gal. .12½- —
Pittsburgh.....gal. .11½- .13¼
Providence.....gal. .12 - —
Rochester.....gal. .12½- —
St. Louis.....gal. .1470- —
Syracuse.....gal. .10¾- —
Trenton.....gal. .10¾- —
Wilmington, Del.....gal. .12½- —
Naphtha, cleaners, at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, N. Y., tanks, gal. .10½- —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07½- —
Gulf Coast (f.o.b. New Orleans), tanks..gal. .06¾- —
tankwagon, Boston, ex tax, gal. .12½- —
Bridgeport.....gal. .13½- —
Chicago, inc. 4c. tax..gal. .18 - —
Decatur, inc. 4c. tax..gal. .1910- —
Des Moines, inc. 4c. tax, gal. .1890- —
Evansville, inc. ex tax.gal. .15 - .16
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax.....gal. .10¼- —
New York, ex tax....gal. .11½- .1590
Omaha, ex tax.....gal. .16½- —
Philadelphia, ex tax..gal. .12 - —
St. Louis, inc. 1c. tax.gal. .1334- —
Syracuse, 150 gals.....gal. .14½- —
smaller lots, galv. drums, gal. .10 - —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .21½- —
No. 2, over 90% arom., same basis..gal. .21½- —
3, same basis.....gal. .22½- —
8, tanks, f.o.b. Paulsboro, N. J..gal. .19¾- —
30, same basis.....gal. .20¾- —
40, same basis.....gal. .21 - —
V.M.&P., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond.....gal. .11½- —
Willbridge, Ore., Ft. Wells, Wash..gal. .12 - —
54-57, 190 i.b.p., 310 e.p., tanks, dlvd. Los Angeles..gal. .10 - —
San Francisco....gal. .10¼- —
Portland, Seattle..gal. .11 - —
Petroleum, naphtha, V.M.&P., at refinery, East Coast, N.Y., tanks..gal. .10½- —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07½- —
Gulf Coast (dlvd. New Orleans), tanks..gal. .06½- —
tankwagon, Boston, ex tax, gal. .12½- —
Chicago, inc. 4c. tax..gal. .17 - —
Des Moines, inc. 4c. tax, gal. .1890- —
Decatur, inc. 4c. tax..gal. .1910- —
Evansville, Inc., ex tax, gal. .1520- .1630
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax.....gal. .11½- —
New York, ex tax....gal. .10½- —
Omaha, ex tax.....gal. .1490-.1590
Philadelphia, ex tax..gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1570- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco). gal. .24 - —
East Coast, N. Y., tanks, gal. .10½- —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07½- —
Stoddard (CS 8-53), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, N. Y., tanks, gal. .09½- —
N. J., tanks.....gal. .09½- —
Group 3, tanks.....gal. .06¾- —
Tankwagon, Boston, ex tax, gal. .11½- —
Chicago, inc. 4c. tax..gal. .1640- —
Decatur, inc. 4c. tax..gal. .1860- —
Des Moines, inc. 4c. tax, gal. .1840- —
Evansville, Ind., ex tax, gal. .14 - .15
Milwaukee, inc. 5c. tax.gal. .1980- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .1820- —
Newark, ex tax.....gal. .09¼- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax....gal. .10½- —
Omaha.....gal. .1360-.1450
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1340- —
Tulsa, ex tax.....gal. .10¼- .11¼
Phenobarbital, 5-lb. bots.....lb. 4.35 - —
bots. or cns., 100 lbs., spot or contract..lb. 4.00 - —
25-lb. cns.....lb. 4.25 - —
Phenol,[3] USP, dms., c.l., works, frt. equsld..lb. .12½- —
l.c.l., same basis.....lb. .13¼- —
under 1,000 lbs.....lb. .14¼- —
tanks, works.....lb. .11½- —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .89
Phenolphthalein, yellow, fib. dms., 2,000-lb. lots..lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 4.00 - 4.10
dimethylacetate, cns.....lb. 14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.50 - 2.75
Phenylethylphenyl acetate, bots., lb. 8.00 -15.00
Phenylhydrazine, base, CP, bots., works lb. 4.55 - —
hydrochloride, CP, bots., works lb. 7.10 - —
commercial, kgs., works.....lb. 1.75 - —
Phlorogiucinol, CP, tins, wks..lb. 20.00 - 22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 76% min..long ton. 5.00 - —
land-pebble, 68% min.long ton. 2.00 - —
70% min.....long ton. 2.30 - 2.40
72% min.....long ton. 2.75 - 3.00
74% min.....long ton. 4.00 - —
Tenn., 72% min.....long ton. 5.00 - —
73% min.....long ton. 6.00 - —
Phosphate rock prices are for shipment in bulk, f.o.b. mines.
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases.....lb. .23 - .25
Oxychloride,[3] cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, ton..lb. .35 - —
single, bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride,[3] bbls., c.l., works, frt. all. E. of Miss. R...lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .08 - .09
Pilocarpine hydrochloride, bots., vis..oz. 3.25 - 3.75
Nitrate, bots., vis.....oz. 3.25 - 3.75
Pimento, Jamaica, bgs.....lb. .20 - .21
Mexican (see Allspice, Mexican).
Pinkroot, bls.....lb. .41 - —
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l.....ton. 22.00 - —
Pitch, hardwood, 1-time dms., c.l., dlvd. Akron..ton. 23.75 -24.00
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pitch, pine, bbls.....bbl. 6.75 - 7.00
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss..lb. 3.25 - —
Poke root, bls.....lb. .09 - .10
Polyamyl naphthalene, l.c.l., dms., works..lb. .25 - —
Pomegranate bark, bgs.....lb. .49 - .50
Root bark, bgs.....lb. .60 - .65
Poppy flowers, red, bls.....lb. .70 - .75
Seed, Dutch, bgs.....lb. .46 - .48
Indian, white, bgs.....lb. .09¼- .09¾
Turkish, bgs.....lb. .34½- .35
Potash abietate.....lb. .68 - —
Acetate, USP, bbls., 250 lbs..lb. .28 - —
cns., 25 lbs.....lb. .31 - .44
Arsenite, USP, solut., 100-lb. lots, cbys., demijs..lb. .13 - .15
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .15 - —
gran., bbls., 250 lbs.....lb. .15 - —
Bichromate,[3,5] spots, c.l., works..lb. .09¾- —
6 casks or 10 bbls., or over, works..lb. .09¾- —
5 casks or 9 bbls., or less, works..lb. .10 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - .31
kgs., 100 lbs.....lb. .28 - .32
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis..lb. .03¼- —
tanks, same basis.....lb. .02¾- —
Potash, carbonate, USP, gran., [illegible] lbs..lb. .14 - .16
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
import, dms.....lb. No prices
liquid, 45% basis, dms...lb. .03½- .03¾
tanks.....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l.....lb. .06½- .06¾
import, dms.....lb. No prices
Chlorate,[3] cryst., kgs.....lb. .11 Nom.
pwd., kgs.....lb. .09¾- .10
Chloride, tech., 98%, cryst., bgs., kgs..lb. .08 Nom.
Chromate,[3,5] kgs.....lb. .24 - .27
Citrate, USP, gran., 250-lb. bbls., lbs..lb. .33½- —
100-lb. dms.....lb. .34½- —
50-lb. dms.....lb. .35½- —
25-lb. dms.....lb. .37½- —
powd., 3c. per lb. higher.
Cyanide, dom., dms., works..lb. .55 - —
Cyanide, gold, 41% gold, bots., works..oz. 14.20 -14.95
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.50 - —
100-lb. lots.....lb. 1.60 - —
50-lb. lots, cbys. or cns..lb. 1.65 - —
25-lb. lots, cns.....lb. 1.75 - —
Guaiacolsulphonate, fib. dms., 100-lb. lots..lb. 1.75 - —
25 lbs. to 50 lbs.....lb. 1.80 - 1.85
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots. or cns.....lb. 1.44 - 1.48
dms.....lb. 1.35 - 1.38
Kainit, 20%, K_2O, bulk, ex vessel, Atlantic or Gulf ports..ton. No prices
Manure salt, dom., run-of-mine grade, bulk, ex vessel, ports, unit-ton. .60 - —
f.o.b. Carlsbad, N.M.unit-ton. .20 - .21
import, 30%, K_2O, bulk, ex vessel, Atlantic or Gulf ports..ton. No prices
Metabisulphite, kgs.....lb. .18 - .20
Muriate, dom., min. 50% K_2O, bulk, ex vessel, ports..unit-ton. .56 - .58
min. 60% K_2O, same basis..unit-ton. .53½- —
import, min. 50% or 60% K_2O, bulk, ex vessel, Atlantic or Gulf ports..unit-ton. No prices
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price named above.
Oxalate, pure, cryst., kgs.....lb. .40 - .42
tech., bbls., dms.....lb. .28 - .30
Nitrate, crude, bgs., c.l.f. ports, ton. No prices
Perchlorate,[3] kgs., wks.....lb. .09½- .11
Permanganate,[3] tech., dms., works..lb. .19¾- .20¼
USP, dms., wks.....lb. .20½- .21
Prussiate, red, bbls.....lb. No prices
Yellow, spot, bbls.....lb. .17 - .19
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs. lb. .07 - —
Sulphate, NF, powd., 550 lbs., bbls..lb. .15 Nom.
100-lb. kgs.....lb. .17 - —
Prices on granular 1c. higher.
tech., dom., bulk basis, 90%, K_2SO_4, ex vessel, ports..ton. 36.25 - —
imp., min., 90%, bgs., ex vessel, Atl. or Gulf ports..ton. No prices
Xanthate, dms., c.l.....lb. .19 - —
Sulphocyanide, C.P., dms....lb. .75 - .85
N.F., dms.....lb. .55 - .65
Potash-magnesia, sulphate, dom., bulk, 40%, K_2SO_4, ex vessel, ports..ton. 26.00 - —
Potash-soda ferricyanide, dms., works..lb. .40 - .45
Potash titanium oxalate, 350-lb. bbls..lb. .45 - —
100-lb. dms.....lb. .50 - —
Prickly ash bark, bls.....lb. .12 - .13
Berries, bgs.....lb. .25 - .26
Prince's pine herb, bls.....lb. .22 - .23
Procaine, hydrochloride, 25-lb. cns., lb. 8.00 - —
5-lb. cans.....lb. 8.25 - 8.50
1-lb. bots.....lb. 8.75 - —
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .85 - .90
Pumice, dom., grd., fine, 4F, 2F, F, O, bgs., 5 tons and up..lb. .03¼- —
1-4 tons.....lb. .03¾- —
500-2000 lbs.....lb. .03¾- —
under 500 lbs.....lb. .04 - —
coarse, O½, ½, 1, 1½, 2, 3, bgs., 5 tons and up..lb. .03¼- —
1-4 tons.....lb. .03¾- —
500-2000 lbs.....lb. .03¾- —
under 500 lbs.....lb. .04¼- —
Imp., Italian.....lb. No prices
Pumice stone packed in barrels is ½c. per lb. higher than the above prices.
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), bots., 2 grams pyrethrins per 100 cc., dms., dlvd..gal. 4.25 - 4.45
(30 to 1), 3 grams pyrethrins per 100 cc., dms., dlvd..gal. 6.45 - —
Pyrethrum flowers, coarse.. grnd. (g.f.p), 9% pyrethrins, frt. alld., bbls..lb. .20 - .21
fine powd., 9% pyrethrins, frt. alld., bbls..lb. .21 - .22
Pyridin, denaturing, dms.....gal. 1.71 - —
refd., 2°, dms.....lb. .48 - —
Pyrites, Spanish, bulk, c.l.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophyllite, standard, 200 mesh, c.l., mines..ton. 10.00 - —
325 mesh, same basis.....ton. 13.00 - —
No. 3, 200 mesh, c.l., mines.ton. 8.00 - —
325 mesh, same basis.....ton. 11.00 - —
Pyroxylin scrap amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china white, ivory, cs., works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaques, cs., works..lb. .04 - —
translucent pastels, cs., works, lb. .10 - —
transparent, cs., works.....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works, lb. .16 - —
colors, mixed, cs., works...lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .05¾- —
tanks, works.....lb. .05¼- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04⅞- —
clarified, 64%, bgs., c.l., same basis..lb. .05 - —
pwd., bgs., c.l.....lb. .10½- —
l.c.l., bgs.....lb. .11 - —
Queen of the meadow leaves bgs..lb. .07½- .08
Root, bgs.....lb. .10 - .11
Quercitron, crystals, bgs.....lb. .26 - —
extract, bgs., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .18½- —
Quicksilver,[2,4,6] dom., flasks (76 lbs. net), divd., N.Y...flask. 192.00 -195.00
Quince seed, bgs.....lb. 1.25 - 1.30
Quinidine, N.F.V., cryst., cns.oz. 1.06 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —
Subject to surcharge of 8½c. per oz; see note under Quinine.
Quinine, 100 ozs., cns.....oz. .84 - —
Acetate, cans.....oz. 1.05 - —
Arsenate, cns.....oz. 1.05 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .80 - —
Citrate, cns.....oz. .78 - —
Dihydrobromine, bots.....oz. .82 - —
Dihydrochloride, bots.....oz. .82 - —
Ethylcarbonate, cns.....oz. .85 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Hydrochlorosulphate, cns....oz. .81 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrochloride, cns.....oz. .76 - —
Hydriodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .90 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .67 - —
Sulphocarbolate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .93 - —
Valerate, cns.....oz. .99 - —
Tartrate, cns.....oz. 1.03 - —
Quinine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride, cns.oz. .81 - —
Subject to surcharge of 8½c. per oz; see note under Quinine.

R

R salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Argentine, bgs.....lb. .07¾- .08¼
Dutch, bgs.....lb. No stocks
Indian, medium, recleaned, bgs., lb. .07½- .08
Japanese bgs.....lb. No stocks
Raspberries, dried, bls.....lb. .55 - —
Red, alizarin lake, bbls., divd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, alizarin lake prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher divd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots.....lb. .95 - —
kgs., ton lots.....lb. .95 - —
smaller lots.....lb. 1.00 - —
light shade, bbls., ton lots, lb. .75 - —
smaller lots.....lb. .80 - —
kgs., ton lots.....lb. .80 - —
smaller lots.....lb. .85 - —
light-medium shade, bbls., ton lots..lb. .80 - —
smaller lots.....lb. .85 - —
kgs, ton lots.....lb. .85 - —
smaller lots.....lb. .90 - —
maroon shades, bbls., ton lots, lb. 1.00 - —
smaller lots.....lb. 1.05 - —
kgs., ton lots.....lb. 1.05 - —
smaller lots.....lb. 1.10 - —
medium shade, bbls., ton lots..lb. .85 - —
smaller lots.....lb. .90 - —
kgs., ton lots.....lb. .90 - —
smaller lots.....lb. .95 - —
Cadmium, lithopone quotations are prices at the works, with frt. alld.
Selenide, bbls., light, works..lb. 2.35 - —
maroon, works.....lb. 2.90 - —
Carmine, 40, dms., 100 lbs...lb. 4.60 - —
50 lbs.....lb. 4.75 - —
cns., 5 lbs.....lb. 5.25 - —
1 lb.....lb. 5.35 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Fire toner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis...lb. .07¾- —
Iron oxide (see Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Litho toner, bbls., same basis, alizarin, lake, contracts..lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .23
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.10 - —
Maroon lake, 25%, kgs., same basis, alizarin lake, contracts..lb. .40 - —
Mercury oxide, tech., bbls., 10,000 lbs..lb. 3.09 - —
smaller lots.....lb. 3.11 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .09 - —
Red, oxide, reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St., Louis, Copley, Ohio.....lb. .03¾- —
80% copperas oxide, bbls., same basis..lb. .06¼- —
Para, toner, concent., kgs., same basis, alizarin lake, contracts..lb. .70 - —
open order.....lb.
Persian, Gulf, oxide, bbls., l.c.l..lb. No prices
Phloxin toner (see Red, Eosin-toner)
Phosphotungstic rhodamine, Y, kgs..lb. 4.15 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03¼- —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish oxide, Grade 1, c.l., bbls., f.o.b. N.Y..lb. .04⅝- —
l.c.l.....lb. .04¾- —
Grade 2, c.l., bbls., f.o.b. N.Y..lb. .04⅛- —
l.c.l.....lb. .04⅝- —
Toluidin toner, kgs., same basis alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N.Y., E. St. Louis..lb. .11 - .40
Red, Venetian, bbls., works...lb. .0220- —
[illegible]...lb. ..45- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. Nom.
quicksilver, bbls.....lb. 3.20 - 3.27
Red dyes are listed under Dyes.
Red, precipitate, N. F., powd., fib. dms., 50 lbs. or more. lb. 3.26 - —
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200-lb. dms., frt. alld. E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
USP, cryst., 100 lbs., dms., frt. alld. E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .10 - .11
Rhubarb, cs.....lb. .38 - .40
powd., bbls., kgs.....lb. .43 - .45
Riboflavin .....gram. 1.50 - 2.00
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43½- —
smaller lots.....lb. .44 - —
powd., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .43 - —
Rose flowers, pale, bls.....lb. .42 - .45
red, bls.....lb. 5.00 Nom.

Quassia—Saffron

Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .16 - .17
Rosin, gum, B, bbls., ex dock... 100 lbs. 3.03 - —
D, bbls.....100 lbs. 3.07 - —
E, bbls.....100 lbs. 3.07 - —
F, bbls.....100 lbs. 3.12 - —
G, bbls.....100 lbs. 3.12 - —
H, bbls.....100 lbs. 3.12 - —
I, bbls.....100 lbs. 3.12 - —
K, bbls.....100 lbs. 3.12 - —
M, bbls.....100 lbs. 3.23 - —
N, bbls.....100 lbs. 3.23 - —
W. G., bbls.....100 lbs. 3.41 - —
W. W., bbls.....100 lbs. 3.57 - —
X, bbls.....100 lbs. 3.57 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton. 25.50 - —
l.c.l., f.o.b. mines.....ton. 37.50 - —
Import, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. .80 - .85

S

Sabadilla seed, powd., bbls....lb. .22 - .28
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .40 - .42
Spanish, tins.....lb. 38.00 -39.00

Pharmaceutical Chemicals by DOW

Dow's relations with the pharmaceutical trade began very simply more than 50 years ago with the production of a single basic chemical. In 1890 it developed a new and original method for the production of bromine.

The interest of pharmaceutical manufacturers soon led to Dow's production of other needed chemicals. Thus Dow quickly demonstrated its ability to meet the needs of the trade; and the latest instances are the utilization of certain chemicals essential to synthetic vitamin products.

And so, working in close collaboration with the trade, Dow has grown from the production of a single basic chemical to the position of a major producer of approximately 40 chemicals on which pharmaceutical manufacturers rely.

DOW PHARMACEUTICAL PRODUCTS INCLUDE:

Acetanilid, U. S. P.
Acetphenetidin, U.S.P.
Acetyl Salicylic Acid, U.S.P.
Acetyl Salicylic Acid, Granulation with Starch
Ammonium Bromide, U.S.P.
Ammonium Salicylate, U.S.P.
Antipyrene, U.S.P.
Benzoic Acid, U.S.P.
Bromoform, U.S.P., IX
Calcium Bromide, U.S.P.
Camphor, Monobromated, N.F.
Carbon Tetrachloride, C.P.
Chloroform, U.S.P.
Epsom Salt, U.S.P., Recrystallized
Ethyl Chloride, U.S.P.
Ferric Chloride, Crystals, U.S.P., X
Ferric Chloride Solution, U.S.P.
Glycine, Medicinal
Hydrobromic Acid, U.S.P. IX Quality
Iodine
Lithium Bromide, N.F.
Magnesium Salicylate
Magnesium Sulphate, Desiccated
Methyl Salicylate, U.S.P.
Phenol, U.S.P.
Potassium Bromide, U.S.P.
Potassium Iodide, U.S.P.
Salicylic Acid, U.S.P.
Salol, U.S.P.
Sodium Acetate, U.S.P.
Sodium Benzoate, U.S.P.
Sodium Bromide, U.S.P.
Sodium Salicylate, U.S.P.
Strontium Bromide, N.F.
Strontium Salicylate, N.F.
Tetrachlorethylene, Purified
2,4,6-Tribromphenol
Trichloracetic Acid, U.S.P.

THE DOW CHEMICAL COMPANY, MIDLAND, MICHIGAN
New York City, St. Louis, Chicago, San Francisco, Los Angeles, Seattle, Houston

Working with you for America

DOW

Safrol—Soda Bichromate

Safrol, cns.....lb. 1.25 - 1.50
dms. .....lb. No prices
Sage, Dalmatian, garden, bls..lb. 1.40 - 1.60
stainless, bls.....lb. No stocks
ground, bls.....lb. 1.75 Nom.
Greek, bls.....lb. 1.05 - 1.15
Spanish, bls.....lb. .45 - .47
Sago flour, bgs.....lb. .05 - .05½
Salicin, bots., 5 lbs.....lb. 7.00 - —
cns., 25 lbs.....lb. 6.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd. N. Y...ton.14.20 - —
l.c.l., bgs., dlvd. N. Y...ton.16.00 -16.60
vacuum, common, fine, bgs., c.l.,
dlvd. N. Y..ton.15.70 -
l.c.l., dlvd. N. Y.....ton.18.20 -21.30
Saltcake, dom., bulk, works..ton.15.00 - —
import, bulk, c.l.f.....ton.16.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-
20 tons, bbls..100 lbs. 9.10 -10.10
1-9 tons.....100 lbs. 9.25 -10.25
less than ton lots..100 lbs. 9.50 -10.50
gran., bbls., 10-20 tons.....
100 lbs. 8.10 - —
1-9 tons.....100 lbs. 8.25 - —
less than ton lots..100 lbs. 8.50 - —
powd., bbls., 10-20 tons.....
100 lbs. 9.10 - —
1-9 tons.....100 lbs. 9.25 - —
less than ton lots..100 lbs. 9.50 - —

Santonin, cryst., cns.....kilo.180.00 - 185.00
Saponin, crude, cns.....lb. 2.25 - 2.50
Purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls.,
lb. .32 - .33
Mexican, bls.....lb. .19 - .20
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bls.....lb. 1.50 - 1.60
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs.,
1 shipment..lb. .33¾- —
smaller lots.....lb. .34¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .34¼- —
smaller lots.....lb. .34¾- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .95 - 1.00
Senna leaves, Alexandria, half
leaf, bls..lb. .18 - .20
siftings, bgs.....lb. .17 - .19
Tinnevelly, No. 1, bls.....lb. .13 - .14
2 bls.....lb. .11 - .13
5 bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .13 - .14
Pods., bls.....lb. .10 - .11
Serpentaria root, bls.....lb. .60 - .65
Shellac, bleached, bonedry, bbls.,
f.o.b. N. Y..lb. .37 - .38
dlvd., Boston.....lb. .38 - .39
Chicago .....lb. .38½- .39½
Pacific Coast.....lb. .40½- .41½

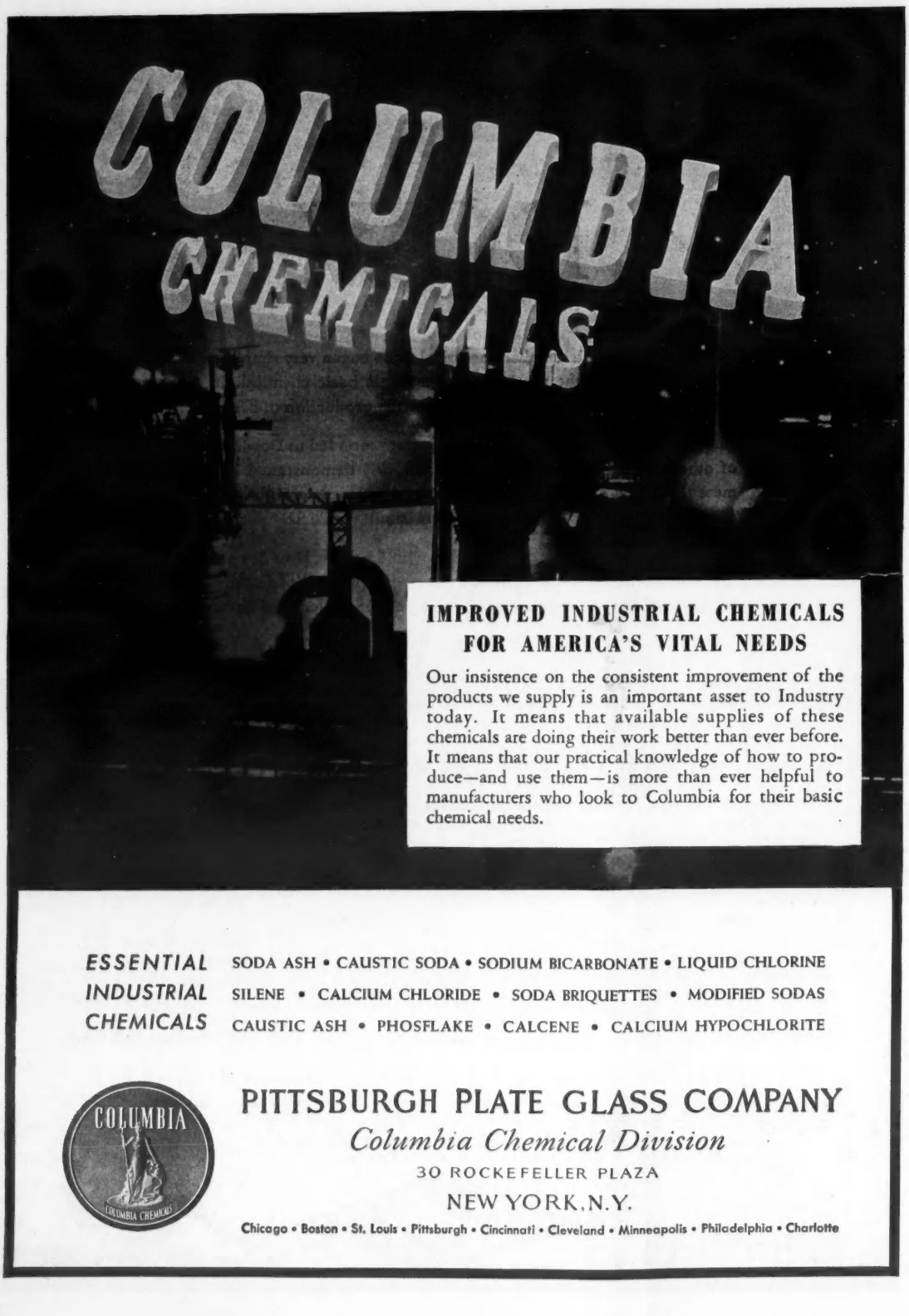
Shellac, bonedry, rfd., bbls., f.o.b.
N.Y..lb. .43 - .44
dlvd., Boston.....lb. .43½- .44½
Chicago .....lb. .44¾- .45¾
Pacific Coast.....lb. .46¾- .47¾
Garnet, bgs.....lb. .30 - .31
D.C., V.S.O., or Diamond 1, cs.,
lb. .39 - .40
Superfine, bgs., f.o.b. Boston,
N.Y..lb. .30 - .31
dlvd., Chicago.....lb. .30½- .31½
Pacific Coast.....lb. .33 - .34
T.N., bgs., f.o.b. Boston, N.Y.
lb. .29 - .30
Pacific Coast.....lb. .32½- .33½
dlvd., Chicago.....lb. .29½- .30½
varnish, Metro area, orange,
5-lb. cut, bbls..gal. 1.55 - 1.60
4½-lb. cut, bbls.....gal. 1.50 - 1.55
4-lb. cut, bbls.....gal. 1.45 - 1.50
white, 5-lb. cut, bbls.....gal. 1.70 - 1.75
4½-lb. cut, bbls.....gal. 1.65 - 1.70
4-lb. cut, bbls.....gal. 1.60 - 1.65
Prices, dlvd., Boston or Chicago, 10c. per gal. higher.
Silica, amorph., dry-grd., 95-97%,
325 mesh, bgs., c.l., works..ton.17.00 - —
l.c.l., 2½ tons, works,
ton.19.00 - —
smaller lots, works..ton.20.00 - —
wet-grd., 95-97%, 325 mesh,
bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works,
ton.21.00 - —
smaller lots, works..ton.25.00 - —
400 mesh, bgs., c.l., works,
ton.30.00 - —

Silica, amorph., wet-grd., 400
mesh, bgs., l.c.l., 2½
tons, works..ton.35.00 - —
smaller lots, works..ton.38.00 - —
wet-grd., 96-98% 325 mesh,
bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works..ton.21.50 - —
smaller lots, works..ton.23.00 - —
99%, 325 mesh, bgs., c.l.,
works..ton.22.60 - —
med. grd., 99%, 325 mesh,
l.c.l., 2½ tons, works..ton.25.50 - —
hard-quartz, 99½%, 325 mesh,
bgs., c.l., works..ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh. bgs., c.l., works,
ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .84¾- —
Govt. purchase, dom., metal,
oz. .71¼- —
Govt. purchase, foreign metal,
oz. .35 - —
Cyanide, cns., 2,500 ozs.....oz. .33 - —
1,000 ozs.....oz. .33¼- —
500 ozs.....oz. .33½- —
50 to 100 ozs.....oz. .33¾- —
Nitrate, 100-oz. bots.....oz. .24 - —
Nucleinate, bots., dms.....oz. .29 - .34
Proteinate, bots., dms.....oz. .28 - .33
Simarubra barks, bls.....lb. .35 - .40
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works..ton.10.00 -15.00
Sloe berries, bgs.....lb. .60 - .65
Smalt, black, extra velvet, ctns.,
lb. .06 - .08
Blue, ctns.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .10 - .11
crushed, bls., bbls.....lb. .13 - .13½
cut, German, bls., bbls.....lb. No stocks
dom., bbls.....lb. .17 - .18
powd., bbls.....lb. .16 - .17
Soda, acetate, anhyd., dms., dlvd.,
lb. .08½- .10
flake, gran., powd., 60% dms.,
c.l., dlvd..lb. .04½- .05
l.c.l., dlvd.....lb. .05 - .06
USP, bbls., dlvd.....lb. .06 - .07
Alginate, dms., bbls., works..lb. .39 - .70
Aluminate, white soluble, c.l.,
bgs., frt. equald..100 lbs. 7.50 - —
dms., frt. equald....100 lbs. 7.75 - —
l.c.l., bgs., frt. equald.100 lbs. 8.40 - —
dms., frt. equald....100 lbs. 8.65 - —
Antimoniate, bbls., dlvd.....lb. .15 - .15½
Arsenate, dms., dealers, c.l.,
works..lb. .08 - —
l.c.l., dms.....lb. .09¼- .09¾
Arsenite, dry, gray, dms, c.l.,
dealers, works..lb. .06¾- —
l.c.l., dms., works.....lb. .07½- .08½
white, dms., c.l., dealers,
works..lb. .07¾- —
l.c.l., dms., works.....lb. .08½- .09½
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l.,
works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.12 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.96 - —
bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.80 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .96 - —
extra light, 58%, bgs., c.l.
100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.48 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works,
100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. River and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Mo., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 93° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyoming.

Benzoate, tech., bbls., 4,000 lbs.
or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .42 - —
USP, bbls., fib., 4,000 lbs. or
more..lb. .46 - —
1,900 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l.,
works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - —
l.c.l. .....100 lbs. 1.90 - —
USP, gran., bbls., c.l., works,
100 lbs. 2.25 - —
l.c.l. .....100 lbs. 2.60 - —
powd., bbls., c.l., works...
100 lbs. 1.85 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y..100 lbs. 2.76 - —
Bichromate,[2,5] spot, c.l., wks..
lb. .07¾- —
l.c.l., 6 cks. or 10 bbls. or
over, works..lb. .07½- —
5 cks. or 9 bbls. or less,
works..lb. .07¾- —



IMPROVED INDUSTRIAL CHEMICALS FOR AMERICA'S VITAL NEEDS

Our insistence on the consistent improvement of the products we supply is an important asset to Industry today. It means that available supplies of these chemicals are doing their work better than ever before. It means that our practical knowledge of how to produce—and use them—is more than ever helpful to manufacturers who look to Columbia for their basic chemical needs.

ESSENTIAL INDUSTRIAL CHEMICALS

SODA ASH • CAUSTIC SODA • SODIUM BICARBONATE • LIQUID CHLORINE
SILENE • CALCIUM CHLORIDE • SODA BRIQUETTES • MODIFIED SODAS
CAUSTIC ASH • PHOSFLAKE • CALCENE • CALCIUM HYPOCHLORITE

COLUMBIA CHEMICALS

PITTSBURGH PLATE GLASS COMPANY
Columbia Chemical Division
30 ROCKEFELLER PLAZA
NEW YORK, N.Y.
Chicago • Boston • St. Louis • Pittsburgh • Cincinnati • Cleveland • Minneapolis • Philadelphia • Charlotte

Soda, bifluoride, bbls., c.l.....lb. .11 - —
10 bbl. lots.....lb. .11½- .13
1-9 bbls.....lb. .12 - —
kegs .....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - .31
fiber dms., 100 lbs.....lb. .28 - .32
Cacodylate, 1-kilo bots.....lb. No prices
Carbonate (see Soda ash, soda monohydrated, soda sal),
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
L.c.l., same zone prices as ammonia process
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works..... 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works..... 100 lbs. 2.00 - —
solid, 76%, ammon., process, dms., c.l., works..100 lbs. 2.90 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.80 - —
Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .07 - .08¼
Chromate, ⅔ spot, c.l., works..lb. .08¾- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .09¼- —
Citrate, USP VIII, 225-lb. bbls. lb. .18½- —
cns., dms., 50-lb. lots....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
dms., kgs., 100-lb. lots...lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms.lb. .14 - .15
Imports, 90%, cs.....lb. No prices
Diacetate, 32-35% acidity, bbls., dlvd..lb. .10 - —
anhy., dms., dlvd.....lb. .12½- —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .08 - —
l.c.l., 10 or over, same basis..lb. .08½- —
1-9, same basis.....lb. .09 - —
95%, bbls., c.l., same basis.lb. .08¼- —
l.c.l., 10 or over, same basis..lb. .08¾- —
1-9, same basis.....lb. .09¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots....lb. 1.25 - —
100-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.65 - —
powd., bbls., 1,000-lb. lots..lb. 1.30 - —
100-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.70 - —
solution, cbys., cns.....lb. .82 - 1.02
Hydrosulphite, dms.....lb. .17 - .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .22 - .24
Hypophosphite, N. F., cns., 100-
Hyposulphite, cryst., large, bgs., works, frt. equal'd...100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l., works.100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.00
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works.... 100 lbs. 3.10 - 3.25
bbls., works.....100 lbs. 3.30 - 3.58
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.49 - —
Iodide, jars.....lb. 2.42 - —
bots. .....lb. 2.53 - 2.57
Mandelate, 100-lb. dms.....lb. 2.25 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 4.00 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.90 - —
2-14 dms., same basis... 100 lbs. 5.05 - —
1-2 dms., same basis... 100 lbs. 5.30 - —
gran., bbls., c.l., works....lb. 2.50 - —
10 bbls. and over, dlvd., N.Y..lb. 3.30 - —
1-9 bbls., dlvd. N.Y.....lb. 3.55 - —
Molybdate, anhyd., kgs., works. lb. .47 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, dom., c.l., 100-lb. bgs., dlvd., f.o.b. cars, producing points or ports, rail or boat shipment .....ton.30.05 - —
200-lb. bgs., same basis, ton.29.35 - —
bulk, same basis.....ton.27.00 - —
Soda, nitrate, imp., c.l., 100-lb. bgs., f.o.b. cars, Atl., Gulf, Pac. warehouses, rail or boat shipment..ton.33.00 - —
200-lb. bgs., same basis....ton.32.40 - —
bulk, same basis....ton.30.00 - —
refd., gran., bbls., 10 tons, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized....lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11¼
Soda nitrite l.c.l. prices range represents delivery at various points.
Orthosilicate, anhy., dms., c.l., works, frt. equal'd....lb. 4.50 - —
15 dms., and over, same basis..lb. 5.45 - —
2-14 dms., same basis..lb. 5.60 - —
1- 2 dms., same basis..lb. 5.85 - —
flake dms., c.l., works.. 100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .00½- —
kgs. .....lb. .44 - —
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Soda, phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 6.00 - 6.25
l.c.l., works.....100 lbs. 6.15 - 7.25
bbls., c.l., works...100 lbs. 6.20 - 6.45
l.c.l., works....100 lbs. 6.70 - 7.45
cryst., tech., bgs., c.l., wks., 100 lbs. 2.55 - 2.70
l.c.l., works.....100 lbs. 2.95 - 3.45
bbls., c.l., works...100 lbs. 2.75 - 2.90
l.c.l., works.....100 lbs. 3.15 - 3.65
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 8.00 - 9.00
bbls., c.l., works.....100 lbs. 7.45 - 8.45
l.c.l., works.....100 lbs. 8.20 - 9.20
tribasic, bgs., c.l., works..lb. 2.70 - 2.85
l.c.l., works.....100 lbs. 3.10 - 3.60
bbls., c.l., works...100 lbs. 2.90 - 3.05
l.c.l., works.....100 lbs. 3.30 - 3.80
kegs, c.l., works...100 lbs. 3.40 - 3.55
l.c.l., works.....100 lbs. 3.75 - 4.30
USP (dibasic), bbls., dms., works..lb. .08 - .10
dried, bbls., dms., works..lb. .11½- .16
Picramate, kgs.....lb. .se
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .11 - —
contracts .....lb. .10 - —
smaller lots.....lb. .11¼- —
contracts .....lb. .10¼- —
Pyrophosphate, anhyd., bgs c.l., works, frt., equal'd 100 lbs. 5.10 - 6.10
5 tons and over same basis.. 100 lbs. 5.35 - 6.25
less than 5 tons same basis, 100 lbs. 5.60 - 6.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - 6.30
5 tons and over same basis, 100 lbs. 5.55 - 6.45
less than 5 tons same basis, 100 lbs. 5.80 - 6.80

Soda Bifluoride—Soda Stearate

Soda, ricinoleate, tech., bbls...lb. .12 - —
sal, bgs., dlvd., N. Y..100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....lb. 1.10 - 1.30
Salicylate, bxs.....lb. .52 - .55
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1....100 lbs. 2.70 - —
2 .....100 lbs. 2.80 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.
Sesquisilicate, dms., c.l., works. 100 lbs. 3.05 - —
10 bbls. or over, dlvd. N.Y.C., 100 lbs. 4.05 - —
1-9 bbls.....100 lbs. 4.30 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works....100 lbs. 1.80 - —
Silicofluoride, dom., bbls....lb. .12 - .15
Stannate, dms.....lb. .33½- .36½
Stearate, lump, powd., bbls., works..lb. .19 - .24

TANNING IN 1568

THE simple beam house operation shown here, which removes hair and epidermis from hides by "scraping with a knife on a beam" is still used in tanneries.

Unlike the "dehairing" operation, processes for tanning itself have advanced considerably in the last 50 years. Possibly the greatest single achievement was the invention of Chrome Tanning in 1884. This made possible a quicker and more economical tanning process. Of principal importance in the tanning of upper shoe leathers, Chrome tanning is a basic factor in the production of shoes of today. Mutual Bichromate of Soda has been used by leading tanners since the inception of Chrome Tanning.

MUTUAL CHEMICAL CO. OF AMERICA NEW YORK

Mutual Chemical Co of America

270 MADISON AVENUE, NEW YORK

Soda Sulphate—Thymol

Soda, sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or over, works, 100 lbs. 1.95 - 2.15
less than 5 tons, works, 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
N.V. VI, ex-siccated, pwd., bbls..lb. .07 - .07½
U.S.P. cryst., gran., bbls..lb. .10 - .10½
Sulphide, cryst., bbls. c.l. works..100lbs. 2.40 - —
l.c.l., 5 tons or over, works, 100 lbs. 2.90 - —
less than 5 tons, works, 100 lbs. 3.15 - —
solid, bbls., c.l., works, 100 lbs. 3.15 - —
l.c.l., 5 tons or over, works, 100 lbs. 3.65 - —
less than 5 tons, works, 100 lbs. 3.90 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.50
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, gran., bbls., drms..lb. .26 - .28
Sulphocyanide, C.P., drms....lb. .55 - .65
Sulphohydrate, liquid, 38%, basis 100%, drms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single drm. lots, works...lb. .08 - —
tanks, works.....lb. .04½- —
flake, 70-72%, drms., c.l., works, lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinolate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, drms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, drms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, drms., c.l., works, lb. .14½- —
ton lots, contracts, works, lb. .15½- —
smaller lots, works.....lb. 15½- —
Soybean meal, 41%, bgs.....ton.48.70 Nom.
protein, bgs., c.l. (40,000 lbs.), works..lb. .16 - —
l.c.l., 20,000 lbs., works....lb. .16½- —
100 lbs., works.....lb. .16½- —
smaller lots, works.....lb. .20 - —
Sparteine sulphate, cne.....oz. 3.65 - 3.95
Spearmint leaves, bls.....lb. .28 - .29
Spikenard root, bls.....lb. .16 - .17
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01¼- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .02 - —
tanks, works.....lb. .01½- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. .50 - .60
White, bls.....lb. .21 - .23
powd., bbls., bxs.....lb. .35 - .40
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .15 - .20
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 3.10 - —
divd., N. Y.....100 lbs. 3.45 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.20 - —
divd., N. Y.....100 lbs. 3.55 - —
Potato, dom., bgs., c.l.....lb. .0585- —
l.c.l. .....lb. .0710- —
import, bgs.....lb. No prices
Rice, bgs.....lb. .08½- .09½
Sweetpotato, bgs.....lb. .06¾ Nom.
bbls. .....lb. .07 Nom.
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .35 - .40
Stearin, oleo.....lb. .09½- .10
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½ .08
Storax, cs.....lb. 1.80 - 1.85
Stramonium leaves, bls.....lb. .32 - .33
Strontium bromide, cns.....lb. .52 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 99-100%, precip., bbls., lb. .25 Nom.
Chloride, tech., bbls.....lb. .20 - .22
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Stroiyl, acetate, bots.....lb. 3.10 - 3.25
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Strychnine, arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. 75 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .48 - —
Sucrose Octa-acetate, C.P. grade, bbls., l.c.l., works..lb. .55 - —
denat., bbls., l.c.l., works..lb .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .24 - —
l.c.l., 10 or over.....lb. .25 - —
less than 10.....lb. .26 - —
Sulfadiazine, tablets, bots., 50's, ea. 4.86 - —
100's .....ea. 8.46 - —
1,000's .....ea.72.00 - —
Sulfaguanidine, 3.5-gm. bot..doz. 3.50 - —
4-oz. bots.....ea. 8.10 - —
1-lb. bots.....ea.30.00 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. drms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd. for hospitals, 5-gram bots..ea. .50 - —
Sulfathiazole, 5-gm., bot.....ea. .42 - —
Sesquicarbonate, 5-gm. bot.....ea. 42 -
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
Sulphur, flowers, USP, bgs., c.l., mine..100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
bbls., c.l., mine....100 lbs. 3.15 - —
l.c.l., mine.....100 lbs. 3.70 - —
flour, comm'l bgs., c.l., mine.. 100 lbs. 1.40 - —
l.c.l., mine.....100 lbs. 1.95 - —
Refined, cast, bgs., c.l., mine, 100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
heavy, USP, bgs., c.l., mine, 100 lbs. 2.35 - —
l.c.l., mine.....100 lbs. 2.90 - —
bbls., c.l., mine.....100 lbs. 2.70 - —
l.c.l., mine.....100 lbs. 3.25 - —
light, USP, bgs., c.l., mine, 100 lbs. 2.45 - —
l.c.l., mine.....100 lbs. 3.00 - —
USP, bbls., c.l., mine..100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
lump, bgs., c.l., mines..100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
bbls., c.l., mine.....100 lbs. 2.10 - —
l.c.l., mine.....100 lbs. 2.65 - —
roll, bgs., c.l., mine...100 lbs. 2.15 - —
l.c.l., mine.....100 lbs. 2.70 - —
bbls., c.l., mine.....100 lbs. 2.50 - —
l.c.l., mine.....100 lbs. 2.85 - —
Rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld..100 lbs. 2.05 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.40 - —
Chloride, 55-gal. drms., c.l...lb. .03 -
l.c.l., drms., works....lb. .04 -
10-gal. drms., c.l.....lb. .07 -
l.c.l. .....lb. .08 -
Sulphur, dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls, works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
extract, bbls., No. 1.....lb. .09 - —
No. 2.....lb. .08 - —
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .10 - .12
Sunflower seed, Calif., large, bgs., lb. .06¾- .07¼
medium, bgs.....lb. .06 - .06½
poultry, Argentine.....lb. .05 - .05½
Superphosphate, run-of-pile, bulk, f.o.b. cars, boat, Balto..ton. 9.50 - —
guaranteed 16%, bulk, same basis..ton.10.00 - —
20%, bulk, same basis....ton.12.00 - —
triple, bulk, f.o.b. works....ton. No prices

T

Talc, dom., Calif., 1, c.l.....ton.20.00 - —
2, c.l.....ton.17.00 - —
N.Y., fibrous, 93-94%, 325 mesh, c.l..ton.14.00 -16.00
l.c.l. .....ton.16.00 -18.00
96-98%, 325 mesh, c.l..ton.15.00 -17.00
l.c.l. .....ton.17.00 -19.00
99-99½%, 325 mesh, c.l.... ton.15.25 -17.25
l.c.l. .....ton.17.25 -19.25
Talc, dom., N. Y., fibrous, 99.85-99.95%, 325 mesh, c.l..ton.17.00 -19.00
coarse, off-color, c.l.....ton.11.00 -13.00
Aluminum, flake type, grd. c.l..ton.21.00 - —
l.c.l. .....ton.24.50 - —
Vermont, c.l.....ton.14.00 - —
l.c.l. .....ton.15.00 - —
imp., Canadian.....ton. No prices
French .....ton. No prices
Italian .....ton. No prices
Talc, domestic, is quoted at the mills in bag packing.
Tallow, extra, loose.....lb. .09 - —
special, loose.....lb. .08¾- —
sulphonated, 85% (24% fat), dms., c.l..lb. .06 - —
l.c.l. .....lb. .06 - —
50% (43% fat), dms., c.l..lb. .06½- —
l.c.l. .....lb. .07¼- —
50% (48% fat), dms., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
Tamarind, No. 1, bbls.....lb. .06 - .07
kegs .....keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 3.75 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y..unit-ton. 5.00 & .10
high-grade, bulk, Chicago, unit-ton. 5.50 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports..unit-ton. 4.65 & .10
Tansy leaves, bls.....lb. .22 - .28
Tapioca flour, bgs.....lb. .04¾- .06¾
Tar acid oil, 15%, dms., c.c., works..gal. .22 - .24
l.c.l., same basis.....gal. .24 - .26
25%, dms., c.l., works....gal. .25 - .27½
l.c.l., same basis.....gal. .27 - .29½
Tar, pine, retort, dms., dlvd. E. cities..gal. .29 - —
ports .....gal. .31 - —
tanks, dlvd. E. cities....gal. .22 - —
Tarragon herb, bgs.....lb. 1.20 Nom.
Tartar emetic, tech., fine gran. or powd., bbls., 5 or more, lb. .47¾- —
less than 5.....lb. .47 - —
USP, powd, bbls.....lb. .50 - —
Terpinyl acetate cns.....lb. .80 - .85
Terpin hydrate, bbls., drms.....lb. .60 - .65
Terpineol, CP, cns.....lb. .30 - —
dms. .....lb. .27 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, 5-lb. cns.....lb. 3.00 Nom.
Sodiosalicylate, dms.....lb. 2.05 - —
Thiamine hydrochloride, bots., cns. gram. .65 - .90
Thiocarbanilide, dms.....lb. .24 -
Thio Urea, C.P., dms.....lb. .55 - .65
Thorium, nitrate, cs., works...lb. 2.00 -
Thyme, French, bls.....oz. .76 - .78
Spanish, bls.....lb. .20 - .21
Thymol, cns., 25 lbs.....lb. 2.35 - —
iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —

Spot Deliveries

Sodium Hydrosulphite

ZINC SULPHATE . . . NICKEL SULPHATE . . . COPPER CARBONATE
WHITE HEAVY CALCINED MAGNESIA . . . . SODIUM FLUORIDE
WHITE CALCINED MAGNESITE . . . . . SODIUM ACETATE

OTHER SPECIAL PRODUCTS

Distributors for RUFERT CHEMICAL COMPANY

NICKEL FORMATE . . . . ALSO NICKEL CATALYST
NICKEL CARBONATE . . . NICKEL OXIDE . . . ETC.

GOLWYNE CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK, N. Y. • PHONE LE 2-9740

Timbo root (see Cube root).
Tin chloride (ous), anhyd.....lb. .48 - .48½
Crystals, bbls., bgs.....lb. .39 - .39½
Metal,[2,4] Straits.....lb. .52 - —
Oxide, bbls.....lb. No prices
Tetrachloride, anhyd., bbls..lb. No price
Titanium, dioxide, bgs., c.l., (20 tons)..lb. .14½- —
l.c.l., 5 tons, single delivery, lb. .14¾- —
1,000-9,999 lbs.....lb. .15 - —
50-999 lbs.....lb. .15½- —
bbls., c.l. (20 tons).....lb. .14¾- —
l.c.l., 5 tons, single delivery, lb. .15 - —
1,000-9,999 lbs.....lb. .15½- —
50-999 lbs.....lb. .15½- —
non-chalking, bgs., c.l. (20 tons)..lb. .16½- —
l.c.l., 5 tons, single delivery, lb. .16¾- —
1,000-9,999 lbs.....lb. .17 - —
50-999 lbs.....lb. .17½- —
bbls., c.l. (20 tons).....lb. .16¾- —
l.c.l., 5 tons, single delivery, lb. .17 - —
1,000-9,999 lbs.....lb. .17½- —
50-999 lbs.....lb. .17½- —
chalk-resistant, bgs., c.l. (20 tons)..lb. .15 - —
l.c.l., 5 tons, single delivery, lb. .15½- —
1,000-9,999 lbs.....lb. .15½- —
50-999 lbs.....lb. .15¾- —
bbls., c.l. (20 tons).....lb. .15½- —
l.c.l., 5 tons, single delivery, lb. .15½- —
1,000-9,999 lbs.....lb. .15¾- —
50-999 lbs.....lb. .16 - —
barium or magnesium base, bgs., c.l. (20 tons)..lb. .05¾- —
l.c.l. .....lb. .06 - —
bbls., c.l. (20 tons).....lb. .06 - —
l.c.l. .....lb. .06¼- —
calcium base, bgs., c.l. (20 tons), lb. .05½- —
l.c.l. .....lb. .05¾- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l. .....lb. .06 - —
calcium-rutile base, bgs., c.l. (20 tons)..lb. .05½- —
l.c.l. .....lb. .05¾- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l. .....lb. .06 - —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses. Pacific Coast prices are ¼c. per lb. higher than the above.

Toluidin base, distilled, kgs....lb. .90 - —
Tolu, balsam, cns.....lb. .85 - .90
Toluidin, mixed, dms.....lb. .90 - —
Toluol[1], (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable, gal. .33½- —
tanks, E. of Omaha, frt. alld., gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½- —
Tonga vine, F. bls.....lb. .65 - .70
root, bls.....lb. .66 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .70 - .85
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, l.c.l., works....lb. .90 - —
Tributylamine, l.c.l., dms., works, lb. .70 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .24 - —
smaller lots.....lb. .32 - —
Phosphate, dms., l.c.l., divd..lb. .47 - —
cns., works.....lb. .51 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
tanks .....lb. .07½- —
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08¼- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kansas except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl, phosphate,[3] CP, cns., divd..lb. .40¼- .51½
dms., c.l., divd.....lb. .37½- —
Tech., dms.....lb. .25 - —
500 lbs., dms.....lb. .25½- —
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.06 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
smaller lots.....lb. .32 - —
Triethyl phosphate, dms., divd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., divd.....lb. .50 - —
Trimethylamine, dms., c.l., divd., lb. .85 - —
l.c.l., divd.....lb. .90 - —
Triphenyl phosphate[3], dms.....lb. .88 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd.,[2,5] 90%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .08¾- .09¼
Madras, bgs.....lb. .07½- .08
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .82½- —
l.c.l., 10 ex dock.....gal. .84½- —
5 ex dock.....gal. .86½- —
wood, dest., dist., dms., divd. E. ports..gal. .62 - .65
tanks, divd., E. cities...gal. .55 - —
steam-dist., dms., c.l., divd.gal. .76 - —
l.c.l., divd.....gal. .79 - —
tanks, divd.....gal. .71 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Metropolitan New York, Phila., Wilmington, Del., Baltimore, Wilmington, N. C., Charleston, Savannah, Jacksonville....ton.80.00 - —
l.c.l., f.o.b. Belle, W. Va., ton.82.50 - —
5-19 tons, f.o.b. Boston, New York, Philadelphia, Wilmington, Del., Baltimore..ton.85.00 - —
less than 5 tons, f.o.b. New York, Phila..ton.90.00 - —
import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —
Urea fertilizer compound, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports .....ton.57.40 - —
Urea - ammonia liquor, basis, 45% N., tanks, f.o.b. Belle, W. V., or Atl., Gulf ports, ton.121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.127.00 - —
Uva ursi leaves, bls.....lb. .18 - .20

V

Valerian root, Belgian, bls....lb. .95 - 1.00
Eastern, bls.....lb. .45 - .47
Valonia, beards, bgs., f.a.s...ton. No prices
cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. No prices
Mexican, tins.....lb.15.00 Nom.
cuts, tins.....lb.14.00 Nom.
South American, tins.....lb. No prices
Tahiti, tins.....lb. .5.50 - 6.00
Oleoresin, bots.....lb. No prices
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.15 - —
5-lb. tins.....lb. 2.20 - —
1-lb. tins.....lb. 2.30 - —
ex lignin, any quantity, 25-lb. tins..lb. 2.35 - —
5-lb. tins.....lb. 2.40 - —
1-lb. tins.....lb. 2.55 - —
Venice turpentine, true, cs....lb. 1.75 - 2.00
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works....lb. .26 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .40 - .41
tree .....lb. .19 - .23
Wattle bark, bgs., f.a.s.....ton.41.00 -43.00
Extract, solid, bgs.....lb. .0460-.04475
liquid, tanks.....lb. .05 - —
bbls. .....lb. 05¾- —
Wax, amorphous, group 3, at refineries; 160-165, amber. lb. .15½- —
160-165, black.....lb. .14 - —
160-165, white.....lb. .26 - —
180-185, amber.....lb. .17½- —
180-185, black.....lb. .16 - —
180-185, white.....lb. .30 - —
Bayberry, bgs.....lb. .18 - .20
Bees, white, bleach, slabs, cs., lb. .53 - —
cake, cs.....lb. .54 - —
discs, cs.....lb. .55 - —
yellow, crude, Africa, 10-bg. lot..lb. No stocks
1 bg.....lb. No stocks
Brazil, bgs.....lb. No stocks
refd., slabs, cs., lbs.....lb. .51 - .52
Candelilla, bgs., 1 ton.....lb. .30 - .32
jobbing lots.....lb. .31 - .32
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .72 - .73
5 bgs.....lb. .72½- .73½
1 bg.....lb. .73 - .74
N. C., 3, bgs., 1 ton.....lb. .76 - .77
5 bgs.....lb. .76½- .77½
1 bg.....lb. .77 - .78
refined, bgs.....lb. .81 - .82
yellow, No. 1, bgs., ton....lb. .83 - .84
5 bgs.....lb. .83½- .84½
1 bg.....lb. .84 - .85
No. 2, bgs.....lb. .82 - .83
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .12½- .13
jobbing lots.....lb. .13½- .14
160°-160° m.p., bgs., 1 ton..lb. .14½- .15
jobbing lots.....lb. .15½- .16
160° m.p., bgs., 1 ton.....lb. .15½- .16
jobbing lots.....lb. .16½- .17
Japan, cs.....lb. .32 - .35
Montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ouricury, refined, bgs.....lb. .58 - .59
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .24 - .25
cakes, cs.....lb. .25 - .26
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.84 - —
Whiting, chalk, com'l, dry-grd., bip. bgs., c.l., works.ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works..ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet-grnd., bip. bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilders, bolted, bip. bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works..ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
extra bolted, bip., bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.00 - —
bbls., c.l., works.....ton.22.00 -23.00
l.c.l., works.....ton.23.00 -24.00
pap. bgs., c.l., works..ton.19.00 -20.50
l.c.l., works.....ton.20.00 -21.00
Paris white, bip. bgs., c.l., works, ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bgs., c.l., works..ton.19.60 -26.10
l.c.l., works.....ton.20.00 -26.50
Limestone, air-floated, 99.75%, 250 mesh, paper bgs., c.l., ton.10.10 - —
200 mesh, paper bgs., c.l., same basis..ton. 9.35 - —
90%, 200 mesh., paper bgs., c.l., same basis..ton. 7.00 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
bolted, extra, bgs., c.l., works..ton.12.50 - —
l.c.l., 8-20 tons, works..ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
works..ton.11.00 - —
gilders, bolted, l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
putty grade, bgs. (extra), c.l., water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works...ton.20.00 - —
smaller lots, works..ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .44 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N.Y..ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
import, 70 mesh, bgs., ex dock..ton. No prices
80 mesh, bgs., ex dock..ton. No prices
100 mesh, bgs., ex dock..ton. No prices
120 mesh, bgs., ex dock..ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. No prices
Wormwood, bls.....lb. .40 - .55

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
tanks, W. of Coast, f.o.b. Minnequa, Colo..gal. .26 - —
10° dms., returnable, works, gal. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
5° dms., returnable, works..gal. .41 - —
tanks, E. of Omaha, frt. alld., gal. .39 - —
3°, dms., returnable, works.gal. .48 - —
tanks, E. of Omaha, frt. alld., gal. .46 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.35 - 1.50
Yellow, arsenic sulphide, dom., bbls., f.o.b New York..lb. .52 - .55
bottles, same basis.....lb. .60 - .64
imp., bbls., same basis.....lb. .18 Nom.
Cadmium, CP, import, bxs. lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld..lb. .50 - —
smaller lots, same basis.lb. .55 - —
kgs., ton lots, same basis, lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, cases, works, lb. 1.10 Nom.
Chrome, CP, bbls., divd. No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .14½- —
Chrome yellow CP prices are ¼c. higher, divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher divd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis chrome..lb. 1.37 - —
primrose shade, bbls., same basis chrome..lb. 1.75 - —
Mercury oxide, tech., bbls., 1,000 lbs..lb. 2.87 - —
smaller lots.....lb. 2.89 - —
Ocher, Amer., golden bbls., works..lb. .04½- .06¼
yellow, bbls., works.....lb. .02 - .02½
French type, bbls., c.l.....lb. .0345- —
l.c.l. .....lb. .0365- —
French, all shades, c.l., ex dock, Balto., Boston, N. Orleans for import..lb. .02475 Nom.
New York (f.o.b.)..lb. .02½ Nom.
Philadelphia, for import...lb. .02¾ Nom.
San Pedro, San Francisco..lb. .0290 Nom.

Timbo Root—Zinc Sulphide

Yellow, ocher, French, all shades, cks., l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02¾ Nom.
Phila., for import...lb. .02¾ Nom.
Portland, Seattle....lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto., Boston, N. Orleans..lb. .02725 Nom.
Indianapolis, Kansas City, Milwaukee, St. Louis..lb. .03¾ Nom.
ex whse., New York, lb. .03 Nom.
Pittsburgh .....lb. .03¼ Nom.
Portland, Seattle....lb. .03¾ Nom.
San Pedro, San Francisco..lb. .03¼ Nom.
f.o.b. N.Y., from dock, lb. .02¼ Nom.
from whse.....lb. .03½ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synth., bbls., c.l., works...lb. .06¾- —
l.c.l., same basis.....lb. .07 - —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .17½- —
open order.....lb. .17½- —
Navy specifications type, contracts..lb. .17½- —
open order.....lb. .17½- —
Yellow dock root, dom., bls.....lb. .15 - .20
Yellow root (xanthoriza), bls..lb. .11 - .13
Yerba santa leaves, bls.....lb. .09 - —
Yohimbine hydrochloride, vis..oz. 3.00 - 4.25

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., divd..lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bgs.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .20
USP, precip., powd., bbls..lb. .32½- —
25-lb. dms.....lb. .37½- —
kgs. .....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.35 - —
gran, dms., c.l., works 100 lbs. 5.75 - —
l.c.l., dms., works.100 lbs. 6.50 - —
USP, 100-lb. dms.....lb. .30 - .31
25-lb. jars.....lb. .33 - —
solut., 50%, dms., c.l., works, lb. .0315- —
l.c.l., works.....lb. .04¼- .04½
tanks, works.....lb. .0250- —
Cyanide, kgs., works.....lb. .33 - .37
Dust, bbls., c.l., divd.....lb. .09½- —
l.c.l., bbls., divd.....lb. .09¾- —
Iodide, N. F., bots.....lb. 4.54 - —
jars .....lb. 4.40 - —
Fluoride, bbls.....lb. .20 - .25
Metal (see daily quotations in Market report.)
Oxide, pigment, dom., Amer. process, coml., lead free, bgs., c.l., divd..lb. .08½- —
l.c.l., divd.....lb. .08¾- —
bbls., c.l., divd.....lb. .08¾- —
l.c.l., divd.....lb. .07 - —
leaded, 5%, bgs., c.l., divd. lb. .08¾- —
l.c.l., divd.....lb. .08¾- —
bbls., c.l., divd.....lb. .08¾- —
l.c.l., divd.....lb. .08½- —
35%, bgs., c.l., divd.....lb. .08 - —
l.c.l., divd.....lb. .08¼- —
bbls., c.l., divd.....lb. .08¼- —
l.c.l., divd.....lb. .08¾- —
50%, bgs., c.l., divd.....lb. .06 - —
l.c.l., divd.....lb. .06¼- —
bbls., c.l., divd.....lb. .06¼- —
l.c.l., divd.....lb. .06½- —
French process, com'l, lead free, bgs., c.l., divd..lb. .06¼- —
l.c.l., divd..lb. .06¾- —
bbls., c.l., divd..lb. .06¾- —
l.c.l., divd..lb. .07 - —
green seal, bgs., c.l., divd. lb. .08¼- —
l.c.l., divd.....lb. .08½- —
bbls., c.l., divd..lb. .08¾- —
l.c.l., divd.....lb. .08¾- —
red seal, bgs., c.l., divd..lb. .07¾- —
l.c.l., divd.....lb. .08 - —
bbls., c.l., divd.....lb. .08 - —
l.c.l., divd.....lb. .08¼- —
white seal, bgs., c.l., divd. lb. .08¾- —
l.c.l., divd.....lb. .09 - —
bbls., c.l., divd..lb. .09 - —
l.c.l., divd.....lb. .09½- —
imported, gold seal, cks., ex whse..lb. No prices
green seal, bbls., ex whse. lb. No prices
white seal, cks., ex whse..lb. No price
USP, l.c.l., 50-lb. ctns., 50-lb. dms..lb. .10 Nom.

Lead-free and 5% and 35% leaded zinc oxide in car lots are ¼c. per lb. higher delivered Pac. Cst., and in less car lots are ½c. per lb. higher ex whse. Pac Cst.; 50% leaded is 3.6c. per lb. higher for car lots delivered Pac. Cst.

Palmitate, bbls.....lb. .24½- .27½
Resinate, fused, pale, bbls...lb. .10 - —
precip., dms., divd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., one ton..lb. .26 - —
smaller lots.....lb. .28 - .27
USP, bbls. l.c.l.....lb. .25 - .27
Sulphate, cryst., bgs., c.l., 100 lbs. 3.40 - —
l.c.l. .....100 lbs. 4.15 - —
bbls., c.l.....100 lbs. 3.65 - —
l.c.l. .....100 lbs. 4.40 - —
flake, bgs., c.l.....100 lbs. 3.90 - —
l.c.l. .....100 lbs. 4.55 - —
bbls., c.l.....100 lbs. 4.05 - —
l.c.l. .....100 lbs. 4.50 - —
powd., bgs., c.l.....100 lbs. 5.35 - —
l.c.l. .....100 lbs. 6.10 - —
bbls., c.l.....100 lbs. 5.60 - —
l.c.l. .....100 lbs. 6.35 - —
Sulphide, bgs., c.l. (20 tons), divd..lb. .07½- —
l.c.l., divd.....lb. .08 - —
bbls., c.l., 20 bbls., c.l. (20 tons), divd..lb. .08 - —
l.c.l., divd.....lb. .08¼- —
barium, pigment, bgs., c.l., divd..lb. .05½- —
l.c.l., divd.....lb. .05½- —

—Continued on page 40

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Priorities Into Allocations

Two movements in the program of national defense promise finally to put the supplying of defense industrial needs on a definite basis. One movement is already under way. It is a survey of the actual materials requirements of defense. The other movement is in the making. It is designed to substitute allocations for priorities in the distribution of industrial materials.

There is desirable promise in these correlated movements: their performance will depend on a number of things, primarily on the cooperation of business in the attainment of the ends sought—in the furnishing of information; in the undertaking of adequate productive efforts; and in the realistic readjustment of materials requirements to the inescapable, but much-dodged fact that there will not be enough of many things to give everybody all that he is convinced he must have, or is endeavoring to convince others he should get.

Primarily essential to the success of the informative and determinative movements in the defense program is an official discarding of dillydallying, of pressure here and pampering there. There must be a single policy, and it must be enforced.

The changes in the setup of the governmental defense organization for industrial mobilization are aimed in the right direction. They are not, however, sufficiently powered to reach the proper mark. Furthermore, such a mark has not yet been set up. In the objectives of the defense program as until now defined there is too much internationalism and not enough regard for, or understanding of domestic needs. There may be in the first good reason for giving the demands of the friendly nations complete preference over domestic civilian needs. But, in terms of the latter, there is nothing to be gained by giving away your shirt.

What is needed? What is available? Who has it? Who can make best use of it? These are the things to be ascertained and made known. And above them each and all is the all-important question—Why? Until that is properly answered, the welfare of the nation will not be properly served.

Methanol Is Cheaper

There is something big and fine for study by economists, sociologists, politicians, and everybody in the reducing of the price of synthetic methanol last week. The reduction put the price 15 percent lower than the 1939 prewar quotation. Methanol is under a defense rule of full priority control. There was talk last week that a price ceiling was imminent for the natural product—the talked of figure was about 50 percent higher than the price in August, 1939.

Methanol has a number of important uses in the manufacture of munitions. Its better known roles are that of an antifreeze and that of a raw material for making formaldehyde to be converted into plastic materials of one type and to be used as a processing reagent in the making of other types of these relatively new materials. The supply of plastics to replace metals essential to defense depends largely on methanol. That material, therefore, is enjoying big and increasing popularity. The supply of it is not nearly enough for the uses to which it could profitably be put today—and there will be more tomorrow. So, the reducing of the price is something to be noted quite keenly by those who still bow down—when it is profitable—to the "law" of supply and demand.

There is a wealth of significance in the reducing of the price of synthetic methanol, and a variety, too. There is light on why proved volume producers are being preferred to volunteers by the practical men connected with the allocating of defense contracts. There is an educative commentary on the real relativity of big business and little. There is a lesson in the usefulness of scientific research and its concomitant technology in times of stress. There is, in fine, something to be studied, something to be learned by many for the good of normal, as well as exigent, business activities.

—O-P-D—

Accurate Information a Must

The most essential element of success in SPAB endeavors equitably and practicably to allocate industrial materials for defense and for civilian needs is adequate, impartial, fully reliable statistical information on supply and demand. This is not going to be easy to get. The eventual necessity of a conscripting and commandeering act is not beyond probability—and that would be much preferable to a shooting war, which some commentators aver alone will suffice to dissipate the apathy with respect to real, national requirements.

Presumably the defense authorities will turn to the industrial advisory boards for the information without which the allocating of materials cannot be fair. These boards have collected and collated, for some industries at least, substantial lots of data. In most instances, these data are relevant and material with respect to the information needed for defense allocations, but their completeness, insofar as comment or estimate is available, leave much to be conjectured and hence to be desired. This appears to be particularly true with respect to inventories in producing and distributing circles. It is said to be applicable also to governmental stockpiles. Hoarding—euphemistically now referred to as protective buying—is more extensive than is generally believed; this is true in less measure in lines—chemicals being an outstanding example—where producers earnestly have endeavored to apply voluntary allocations. It is because of this hoarding that defense officials here and there already have made use of the mandatory defense contract rule to liquidate certain speculative holdings. More of this sort of dam-bursting may be expected.

There appears to be a big job for trade associations to do in advising and urging their members to "tell the whole truth" in the defense survey of materials requirements and supplies. These organizations have an additional duty, national in aspect, to further the allocation of the productive capacity of their industries to the needs of defense. Capable technical committees should be set up for the studying of adaptabilities of plants to defense production and the consolidation of whatever measure of civilian production may remain. Some such preparing is necessary if an industry is not to find itself largely idle in plants and men because defense work passed it by.

Industry must be measured for the defense job. It should be measured accurately. This requires that it do everything possible to assist in the measuring. Misfits are to be avoided; for they will eventually be detrimental to industry as they must be and are being to the defense program.

—O-P-D—

Rights Are Limited

The commemoration, last week, of the sesquicentennial of the Federal "Bill of Rights," the first ten amendments to the Constitution of the United States, should have been a bigger event in the light of world conditions today. Especially should it have brought a proper recognition of the departures of recent years from the fundamentals implicit in the Bill of Rights and explicit in the Declaration of Independence.

A finger was laid on that point early in the week when an independent labor organization told the National Labor Relations Board that the statute under which the latter functions violated the fifth constitutional amendment, the popularly styled "due process clause." It might more accurately have been charged that the labor relations act perpetuates the opportunity for organized labor to violate the fifth amendment, although the mandate of the clause appears to apply only to governmental tyranny. And it is not the statute itself, but the administrative attitude thereto which deprives "free labor" of its right to work.

The week brought new and unmistakable evidence that the leaders of organized labor—big and little—put the defense program a poor second to their demands that there be no free labor. If the due process clause means any of the things for which the courts have accepted it, its sesquicentenary should mark the beginning of its just enforcement.

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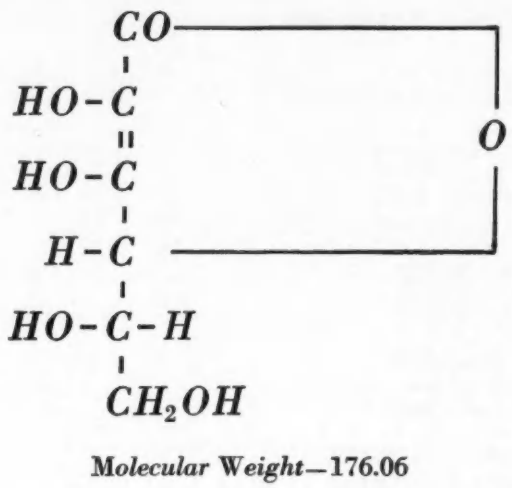

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Heavy Chemicals

Acetic Price Ceiling Looked For as Glacial Prices Advance —Soda Metasilicate, Pyrophosphate and Sulphide Prices Up —Zinc Chloride, Ammonia and Potash Alums Advance

A number of upward price revisions covering fourth quarter contracts made their appearance in the heavy chemical market last week. One producer raised glacial acetic acid. The OPA recently requested prices be held at July 29th levels, and some definite announcement regarding a price ceiling was expected from Washington at almost any time. Sodium compounds including metasilicate, pyrophosphate, sesquisilate and sulphide were raised. Zinc derivatives such as zinc ammonia-chloride and zinc chloride advanced, while ammonia and potash alums were higher.

Producers continued to be burdened with the rising volume of defense orders carrying priority ratings. This called for a strict policy of allocation in many products where defense needs absorb a considerable part of the available output. Consumers, who were unable to secure supplies from regular sources, were willing to pay premium prices in the outside market. However, spot stocks were difficult to locate anywhere in sizable quantities.

Effective September 22 the paper industry has been requested by the chemical division of the OPM to restrict chlorine consumption by 20 percent of average use for the six months ended July 31. As much as 30 to 40 percent had been anticipated, but further reductions may be asked before the year end. Paper production, as a percentage of six-day capacity, was 104 in week ended September 13, according to the American Pulp and Paper Association. This compares with 86.1 percent in the previous week and 85.2 percent a year ago.

Alums.—One producer advanced prices 50c., making ammonia granular $4 per 100 pounds; lump, $4.25, and powdered, $4.40 per 100 pounds; potash, 25c. per 100 pounds higher.

Alumina Sulphate.—Prices for commercial expected to be advanced, while no change was evident for the iron-free. Business confined to regular consumers.

Ammonia, Anhydrous.—Defense requirements mounting; business on restricted basis as rule. Prices firm.

Ammonia, Aqua.—Tight situation prevalent. Prices maintained at firm basis.

Ammonia Bicarbonate.—Shipments steady. Prices display firmness.

Ammonia Bifluoride.—Offerings remain limited, while prices were firm.

Ammonia Nitrate.—Defense needs consume large percentage of material. Prices were firm.

Ammonia Phosphate.—Business is steady for technical grade, with offerings limited. Prices rule firm.

Ammonia Sulphocyanide.—Domestic production well under way; C.P. offered at 45c. to 55c. per pound.

Antimony.—Domestic spot price unchanged. Buying steady, offerings limited.

Antimony Oxide.—Situation tight, business held to regular channels for normal needs. Prices firm.

Arsenic.—White material moved well, and tone of the market held firm.

Barium Carbonate.—Demand brisk,

Price Changes

Advanced

Acid, acetic, glacial, dms., 50c. per 100 lbs.
natural, tanks, 2¼c. per 100 lbs.
Alum, ammonia, 50c. per 100 lbs.
potash, 50c. per 100 lbs.
Barium nitrate, 1c. per lb.
silicofluoride, 1c. per lb.
Saltcake, $2 per ton.
Soda, metasilicate, anyh., 25c. per 100 lbs.
granular, 15c. to 20c. per 100 lbs.
Soda, pyrophosphate, 90c. to $1 per 100 lbs.
sesquisilicate, 5c. to 15c. per 100 lbs.
sulphide, 15c. per 100 lbs.
Sulphur, refined, rubbermakers, 5c. per lb.
Zinc, ammonia-chloride, 50c. per 100 lbs.
chloride, fused and gran., 75c. per 100 lbs.
solution, 25c. per 100 lbs.

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
168.3	167.9	167.3	153.9

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
109.0	109.0	108.7	101.6

Market news that may have developed after this report was sent to press will be found on page 4.

Sal Ammoniac

The cessation in imports had little affect on the domestic market for sal ammoniac. At the start of the war in September, 1939, heavy domestic and export demand brought about a tight situation. Blackouts in the United Kingdom and other European countries caused a tremendous demand for dry batteries, bringing sudden pressure on battery manufacturers for raw material, of which sal ammoniac was an important ingredient. Another seasonal upswing from battery makers is at hand, but the situation is much more favorable. A new domestic producer started operations last Spring, while Canada inaugurated production for the first time about a year ago.

Little export business has been approved recently; the material was placed under export control together with other ammonium compounds a while ago. Imports on the other hand have dropped off sharply. In the first five months this year shipments here totaled only 228,118 pounds, compared with 2,162,023 pounds in the like period a year ago. During the 1939 year a total of 8,487,112 pounds were imported as against only 2,703,401 pounds for the 1940 year.

The latest census figures show domestic output in 1939 at 45,522,754 pounds, valued at $2,051,348, compared with 39,599,247 pounds, valued at $1,831,494 in the 1937 period. Production this year should run well above 50,000,000 pounds.

No change occurred in the prices for the gray since the outbreak of the war. A revision was made in the less carlot prices for the white now quoted on a works basis of $5.15 per 100 pounds, as compared with $4.90 to $5.05; freight is no longer equalized with the seaboard.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

National Pest Corn Control Ass'n, San Francisco, Oct. 27-29.

with shipments lagging. Prices rule firm.

Barium Hydrate.—Market short, spot offerings small. Prices firm.

Barium Nitrate.—Limited supplies at 10½c. per pound.

Barium Silicofluoride. — Prices 1c. higher, ranging from 15c. to 17c. per pound.

Bleaching Powder.—Tight situation prevails, with sellers pressed to make all deliveries. Prices firm.

Calcium Acetate.—Prices range from $3 to $4 per 100 pounds. Supplies scarce.

Calcium Chloride.—Seasonal movement for ice control under way sooner than usual; other demand satisfactory. Market position firm.

Calcium Phosphate.—Mono crystals offered in car lots, bags, $5.75 per 100 pounds; five tons and over, $6, and less than five tons, $6.50 per 100 pounds.

Carbon Tetrachloride. — Shortage continues; business strictly allocated.

Chlorine.—OPM requests paper industry to restrict consumption by 20 percent, to become effective September 22. Defense needs taking larger quantities. Prices firm.

Cobalt Oxide.—Business usually allocated among regular consumers. Prices held firm.

Copper.—OPM questionnaire on October allocations expected sooner than usual. Domestic copper production for first seven months totaled 637,323 short tons, a gain of 7 percent.

Copper Salts.—One factor quoting copper cyanide at 38c. per pound. Prices for most derivatives nominal. Offerings restricted.

Copper Sulphate.—Defense and commercial requirements big factor in absorbing supplies; export offerings limited and sellers sold ahead. Prices firm. Resale monohydrated 19c., and crystals 9½c. per pound.

Fluorspar. — Prices firm. Demand remained brisk.

Glauber's Salt.—Business limited to regular contracts. Prices firm.

Lead Acetate.—Market tight. Prices without change and firm.

Lime.—Shipments moved at good pace, while prices displayed firmness.

Magnesite.—Defense taking large quantities, market position firm.

Magnesia Chloride.—Offerings limited. Prices unchanged and firm.

Manganese Dioxide.—Steady movement against contracts. Pricewise a firm tone prevailed.

Nickel Salts.—Supplies very limited, business prorated. Prices nominal.

Phosphorus.—Government needs limit supplies. Prices held firm.

Potash Carbonate.—Sellers continued under pressure to make all deliveries. Prices firm.

Potash, Caustic.—Tightness continues and some deliveries delayed. Prices firm.

Potash Chlorate.—Material subject to mandatory priorities. Prices without change.

Potash Metabisulphite.—Prices range from 18c. to 20c. per pound. Moderate inquiry.

Potash Permanganate.—Priorities take bulk of available supplies. Prices firm.

Potash Thiocyanate.—One seller offering C.P. grade at 75c. to 85c. per pound. Domestic material now available.

Salt.—Early demand from municipalities for ice control work; commercial demand brisk. Prices firm.

Saltcake.—One seller advanced domestic bulk prices to basis of $15 per ton at the works. Domestic offerings well absorbed.

Soda Acetate.—Market short, offerings usually allocated. Prices firm.

Soda Ash.—Broad domestic buying keeps market in very firm position.

Soda Bicarbonate.—A good replacement interest continued. Prices were firm.

Soda Bifluoride. — Market tight. Prices without change and firm.

Soda, Caustic.—A firm tone characterized market, shipments moved at good pace in all directions.

Soda Chlorate.—Business remained on restricted basis. Prices were firm.

Soda Fluoride.—Market short, defense needs taking large quantities. Prices firm.

Soda Hydrosulphite.—Spot offerings small. Resale 33c. to 35c. per pound.

Soda Metasilicate.—Prices for anhydrous up 25c. making car lots $4 per 100 pounds; less car lots ranging from $4.95 to $5.30 per 100 pounds;

—*Continued on* 30.

Sales in Second Quarter

—*Continued from page* 4

Manufacturers' Inventories

	June 30,
Chemical and allied products	+ 3.5
Paper and allied products	+ 6.3
Petroleum refining	+ 5.1
Rubber products	+24.2
Textile mill products	+11.4

Wholesalers' Sales

	2d quarter
Drugs and druggists' sundries	+13.0
Industrial chemicals	+43.0
Paints and varnishes	+33.7
Petroleum	+23.0

Wholesalers' Inventories

	June 30,
Drugs and druggists' sundries	+ 6.0
Industrial chemicals	+17.0
Paints and varnishes	+ 6.0
Petroleum	+19.0

Exports

	2d quarter
Coaltar chemicals	+ 4.1
Explosives, fuses, etc	+19.0
Gas and fuel oils	—46.8
Industrial chemicals	+15.5
Lard	+39.3
Lubricating oil	—27.9
Medicinal products	+27.7
Motor fuels	—47.3
Naval stores	—20.6
Petroleum, crude	—20.0
Pigments	+22.0

Retail Sales

	2d quarter
Drug stores, independents	+11.7
Chains	+12.1
Inventories (June 30)	+16.6
Filling stations, independent	+13.3

Shipping Container Parley Here Sept. 26

—*Continued from page* 3

man of the Official Classification Committee, this city; R. H. Bursch, general sales manager, Southern Kraft Corporation, this city; E. R. Gay, vice-president, St. Regis Paper Company, this city; R. L. Beach, General Electric Company, Schenectady; Stuart Edgerton, United States Rubber Company, this city; W. R. Hummel, Western Electric Company, this city; M. M. Olander, Owens-Illinois Glass Company, Toledo, Ohio; W. F. Rode, Colgate-Palmolive-Peet Company, Jersey City, N. J.

Other speakers include:—Norbert A. McKenna, chief of the Pulp, Paper, Printing and Publishing Section of the OPM, and Walter Shorter, chief of Container Section of OPM, will talk on "The Present Emergency in Shipping Containers." M. H. Morley, managing director of Thames Board Mills, Ltd., Purfleet, Essex, England, will discuss "How Britain Met the Container Shortage."

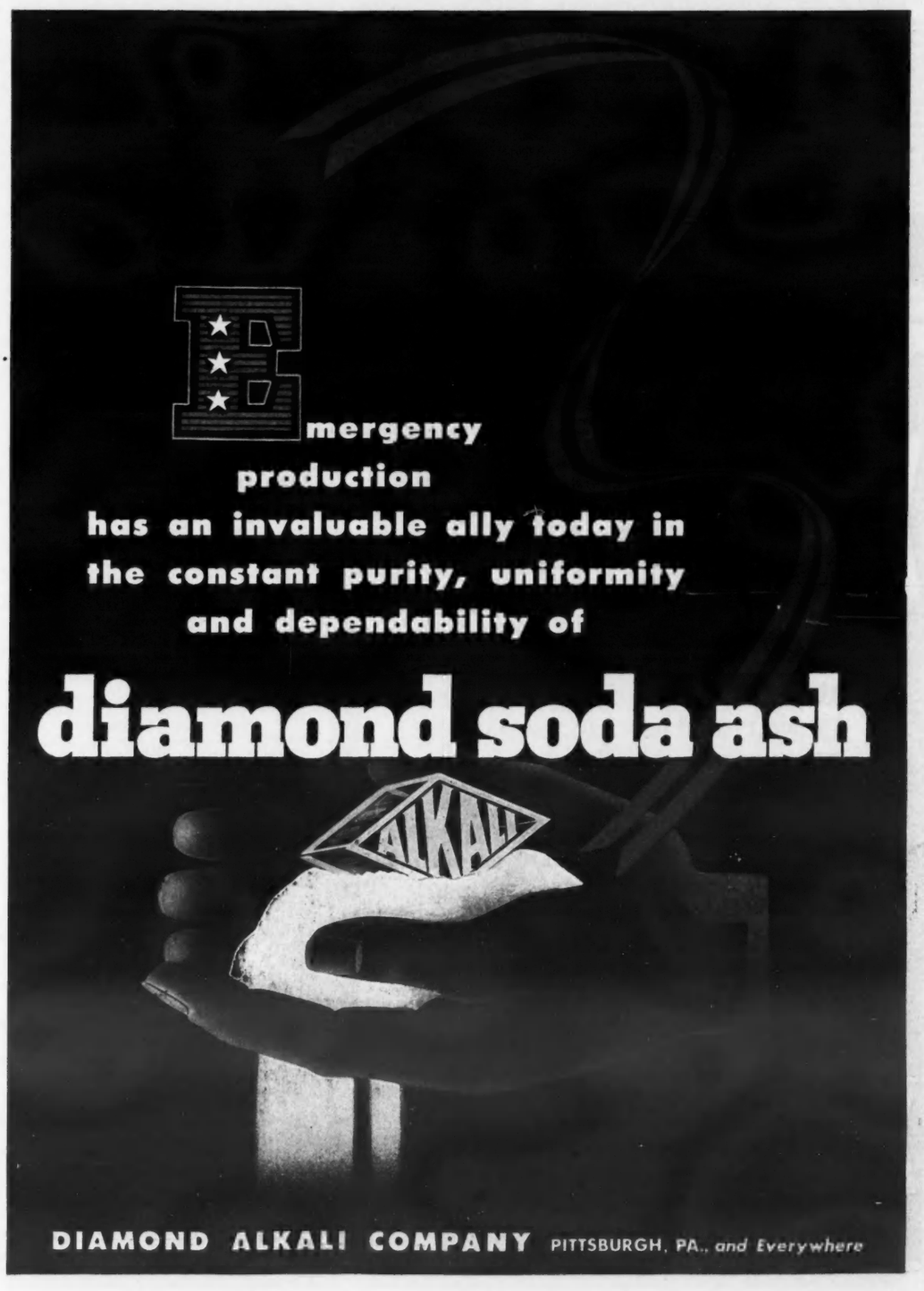
Radford Ordnance to Start Full Operations Sept. 26

OPD Washington Bureau
September 18, 1941

All three powder manufacturing lines will be in operation September 26 at the $50,000,000 Radford Ordnance Works, Radford, Va., first of the Army's new powder plants to begin operations and the first to have all lines in production, the War Department announced today.

Production on Radford's first line began March 14, 1941. The second line started operating in early Summer. Capacity production, 300,000 pounds of smokeless powder daily, will be attained within a few weeks, officials said. Until Radford began production, total powder production in the United States was only 50,000 pounds daily.

Federal Tin Company, 11 East Barre street, Baltimore, manufacturer of tin containers, has leased 25,000 square feet of floor space in the building at 1101-1121 South Brunswick street, for storage purposes.



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Heavy Chemicals

—*Continued from page 29*

granular car lots up 15c. at $2.50; less car lots advanced 20c. ranging from $3.30 to $3.55 per 100 pounds.

Soda Phosphate. — All producers raised prices covering fourth quarter business, some higher than others with various grades showing a range. Market tight.

Soda Pyrophosphate.—One seller advanced prices $1 per 100 pounds to basis of $6.10 for car lots packed in bags; another went up 90c. to $6 for car lots in bags.

Soda Sesquisilicate.—Price for car lots advanced 15c. at $3.05 per 100 pounds; less car lots, barrels, up 5c. from $4.05 to $4.30 per 100 pounds. Demand steady.

Soda Silicate.—Prices for various grades remain firm. Demand broad.

Soda Silicofluoride.—Spot offerings remain negligible. Resale 24c. to 26c. per pound.

Soda Sulphide.—Prices raised 15c. making crystals, car lots, $2.40 per 100 pounds, less car lots from $2.90 to $3.15; solid, car lots, $3.15; less car lots from $3.65 to $3.90 per 100 pounds.

Sulphur, Refined. — Rubbermakers' commercial grade up 5c. at $2.05 per 100 pounds and refined $2.40 per 100 pounds. Other grades remain firm. Demand brisk.

Tetrachorethylene. — Prices rule firm, offerings on restricted basis.

Tin Salts.—Various tin derivatives remain firm. Demand steady, with offerings limited.

Zinc Ammonia-chloride. — Prices raised 50c. to the basis of $5.65 in car lots at the works.

Zinc Carbonate.—One seller quoted 20c. per pound. Market in tight position.

Zinc Chloride.—Prices for technical, fused, up 75c., making car lots, $5 per 100 pounds; granular, up 75c. at $5.75 for car lots and solution 25c. higher at $3.15 per 100 pounds.

Zinc Cyanide.—Prices range from 33c. to 37c. per pound. Offerings limited.

Acids

An advance by one producer of synthetic glacial acetic acid and higher prices for natural provided the feature to the market for acids last week. The advance in glacial will reflect in corresponding advances for other grades of commercial and pure acids. While no word was forthcoming as yet from Washington regarding a price ceiling for acetic acid, indications were that something would be issued in the near future. A short time ago the OPA requested that no advance occur in acetic acid without prior consultation with the government. One prominent producer of phosphoric acid advanced prices on various grades following the higher prices issued a while ago by another factor.

Demand for defense continued to take a large part of the output in a number of acids. Chlorosulphonic, chromic, formic, hydrofluoric, mixed, muriatic, nitric, oxalic and sulphuric were moving directly and indirectly to defense channels in sizable quantities. As a rule sellers were forced to allocate available supplies among regular contract consumers after defense needs were taken care of.

Acetic. — One producer advanced synthetic glacial in drums 50c. per 100 pounds; various other grades of synthetic will be raised accordingly. Tank price for natural acetic $10 per 100 pounds. Word regarding price ceiling expected soon.

Battery. — Market position firm. Buying steady.

Chlorosulphonic.—Prices firm at recently established levels. Defense buying taking bulk of material.

Chromic. — Business on allocated basis. Prices rule firm.

Formic. — Situation tight. Prices underwent no revision.

Gallic.—Prices firm, offerings limited.

Hydrofluoric.—Market position firm, and purchases steady.

Mixed.—Shipments moved at active pace. Prices display firmness.

Muriatic.—Demand active. Market continued firm.

Nitric. — Defense requirements broaden. Pricewise a firm tone prevailed.

Oxalic.—Quotations firm at higher levels. Material scarce.

Phosphoric.—Another producer followed advance made short time ago for various grades. Market tight.

Sulphuric.—Demand active. Prices unchanged and firm. July production of fertilizer manufacturers totaled 202,597 tons, against 208,884 in June and 180,553 tons in July, 1940.

Baltimore, September 17.—The market for sulphuric acid continues without change in so far as the nominal quotations are concerned. Contract needs are taking all of the acid that can be turned out with existing facilities, so that there is no free surplus, no matter what the price offered may be. Acid is held at $12 per ton for 60 degree and at $15 per ton for 66 degree acid, while oleum has not advanced nominally above $17 per ton for 20 percent material.

Insecticides

Aside from some inquiries for next season's requirements, not much business developed in the market for agricultural insecticides and fungicides last week. Some consumers were anxious to have next year's supplies earlier than usual in anticipation of delays later on. Meanwhile, bulk of the activity was confined to the South where seasonal conditions prompted a moderate demand. Prices were without change, and tone firm.

Calcium Arsenate.—Prices remain firm. Inquiries moderate.

Lead Arsenate. — Seasonal conditions limit business. Prices remain unchanged and firm.

Nicotine Sulphate.—Not much new business. Prices held at firm levels.

Salt Freights Revised

The New York Public Service Commission has approved new commodity freight rates of the Lehigh Valley railroad on salt and salt compounds, as described and at carload minimum rates specified in tariff. Rates of 15c. and 19c. per hundredweight established from Ludlowville to Mechanicsville on Boston and Maine; effective October 1.

Donald G. Dunn, sales promotion and advertising manager of the Reynolds Metals Company, has been appointed assistant to vice-president and general salesmanager, J. Louis Reynolds.

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Washington Talks It Over

—*Continued from page 3*

a fetish. So now he is bringing in Lessing Rosenwald, one of his crack Sears-Roebuck simplifiers, to head the work in OPM. With the power of priorities behind him Rosenwald may be able to get somewhere at last.

Production Belongs To Producers

Monopoly baiting goes right on in spite of the defense program, and the New Dealers have never stopped gunning for the Aluminum Company of America. Now, through the medium of the senate defense investigating committee, they are attacking Alcoa's contracts with the Defense Plant Corporation to construct new plants, claiming the company gets all the gravy and the government takes all the risk. Cagey Jesse Jones, who has never yet been caught in a poor banking deal, says there is nothing wrong with the contracts. He admits he signed them over the protests of many in the administration, including his fellow-cabinet-member, Harold Ickes, who has tried to keep Alcoa from getting power to make more aluminum. To the charge that the government is fostering a monopoly instead of aiding little competitors, "Mr. Jesse" says his object is to get a lot of aluminum quickly, and he knows Alcoa can produce where inexperienced concerns might have trouble.

New Dealers have been fighting industrialists in the defense program on this issue ever since the program started, squawking because contracts go to people already in the business instead of to people who would like to get in. The $1-a-year men naively reply that they thought the object of the defense program was to get production in a hurry, not to promote social and economic reforms or to provide profits for opportunists.

Not So Many Tankcars

The oil tankcar controversy may prove a headache for users of tankcars outside the oil industry. To make good their claims of 20,000 idle tankcars, railroads are combing the country for all cars available anywhere, no matter what their intended and customary use. Coordinator Ickes now has before him the results of a special survey made by a committee of oil men purporting to show that tankcars are badly needed in some sections of the country and surplus in none, and that the East Coast transportation deficiency could not be made up even with the use of all tankcars now used or sought by shippers of vegetable oils, chemicals, molasses, and every other liquid shipped in bulk. There probably were 20,000 idle tankcars last Spring, but increased rail shipment of everything has reduced this so much that increased demands for petroleum movement will pinch all other users.

Selling Baits Taboo

Premiums, free goods, and other "wasteful" distribution practices are frowned on by OPA, and Leon Henderson is making a guinea pig of the bakery industry. At his request the FTC is surveying bakery marketing, looking particularly at facilities furnished retailers, excessive varieties, combination offers, and consignment selling. Leon thinks retail prices can be kept down despite rising material costs if marketing methods are simplified and streamlined—in all merchandising lines.

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Priorities Policed

Priority chiseling is suspected by OPM, but so far there has been little opportunity to police priorities to see that materials are used for what they are supposed to be used for. Every priority request must be accompanied by an affidavit, and violators—they are being "cherchezed"—not only may be cut off from future supplies, but are liable to stiff criminal penalties. Inspectors are liable to walk into plants selected at random and ask to see the records, and businessmen will know how bankers feel when the bank examiner calls unexpectedly.

In the case of its new maintenance and repair priority plan, P-22, OPM found it necessary to add an amendment stipulating that a concern claiming priorities for repair parts for an industry listed as essential can't use such parts for any other plant or operation in another industry.

Formula at the Bar

Full formula disclosure, successfully fought off by the trade when the food, drug, and cosmetic act was before Congress, may be read into the law by the courts. Food and Drug Administration officials are keenly watching an effort by the Federal Trade Commission to get a formula withheld by the manufacturer as a trade secret. Proceeding against Boncquet Laboratories of Glendale, Cal., on charges of falsely advertising a vitamin tonic, FTC induced a Federal judge to subpena the formula on the ground that FTC must have it to determine propriety of advertising claims. Case is now being appealed, and if FTC wins, FDA will use the same tactics. At present FDA can come pretty close to getting the formula by careful laboratory work, or at least can come close enough to make the manufacturer disclose the formula if he contests the FDA analysis, but power to subpena a formula would save a lot of lab work and make it easier to prepare cases.

No Money for Booms

"Capital priorities" may become part of the language before long, meaning that a firm won't be able to get a loan or raise money unless some government agency says the project is essential to defense. This was so during World War I, via what was known as the capital issues committee. Then the reason was scarcity of capital for financing the war. Now it may be revived for the dual purpose of curbing inflation and saving materials. Every expansion of civilian plant uses that much steel and equipment which otherwise might go to defense, and the government could put the lid on pretty tight by preventing companies from getting money to expand.

In the early days of the New Deal there was much talk that there ought to be an end to "free money" in order to prevent private capital from going into another boom-before-depression spree. Now even relatively conservative Henry Morgenthau is hinting that combatting inflation requires control of the use of private capital.

American Firstoline Moves Offices to Graybar Building

Allan A. Lubitz, president of American Firstoline Corporation, manufacturer, distributor and exporter of a wide line of chemicals and pigments, especially French Process Zinc Oxides, Zinc Carbonate, Copper Sulphates, Nickel Sulphate, etc., as well as nonferrous metals and alloys, announces that the sales and export offices of the company have been moved from Long Island City to the Graybar building, 420 Lexington avenue, this city. Laboratory and storage facilities will continue to be maintained at the Long Island City address, where expansion of these facilities is under way. American Fristoline Corporation is also acting as sole sales agent for the Gulton line of non-ferrous metals, alloys and bearing metals.

Joseph A. Huisking, vice-president, and assistant to F. H. Leonhardt, president of Fritzsche Brothers, Inc., this city, left August 30 for Becket, Mass., where he and Mrs. Huisking will spend the first few days of a three weeks' vacation as the guests of Mr. and Mrs. F. H. Leonhardt. From there they will continue on to Winchendon, Mass., to rest, relax, and golf.

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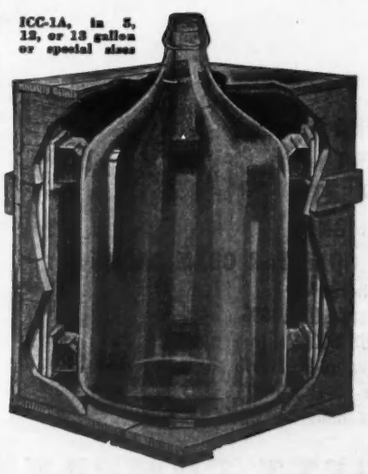
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Coaltar Chemicals

Prices Continued Firm With Some Factors Making Extensions —Defense Takes Large Quantities of Solvents and Tar Acids —Coaltar Acids and Intermediates in Tight Position

While price considerations covering fourth quarter contracts were still underway, no word was released on basic products last week. Some sellers already have extended prices for various tar acids for the fourth quarter, while others have until the end of the month to make a final decision. Defense needs continued to receive first call, and sellers were abiding by this ruling in all materials that were directly or indirectly essential to national defense. Civilian needs of regular contract consumers were given attention next, and in several instances allocation was necessary.

The larger quantities of toluol going into direct defense works absorbed most supplies, what little was available in the outside market passed at premium levels. Offerings of xylol were restricted and market position was very tight. Benzol continued to move steadily and prices were firm. Heavy demand for tar acids in the defense program made supplies of cresols, cresylic acid, naphthalene and phenol very scarce.

Many of the coaltar acids including anthranilic, benzoic, maleic, salicylic, sulphanilic and tobias were difficult to obtain. A short position was prevalent for many intermediates with anilin oil and phthalic anhydride the most outstanding. Movement of coaltar colors was indirectly affected by the raw material situation.

Price Changes

Advanced
None

Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.7	127.7	127.7	127.1

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Good demand. Prices remain the same and tone held firm.

Carbazole.—Shipments steady. Market position continued firm.

Coaltar.—Withdrawals well maintained and prices failed to change.

Creosote Oil.—Market displayed firmness. Large consumers provided a good inquiry.

Cresols.—Inquiries exceed supplies, defense needs factor, with business usually allocated. Prices firm.

Cresylic Acid.—No change in domestic coaltar acids, with undertone firm. Heavy demand continues, with sellers well booked ahead. Imported in short supply at $1.50 to $1.60 per gallon.

Naphthalene.—Crude moving directly to consuming channels and prices in very firm position.

Oil, Shingle Stain.—Market a routine affair. Prices lacked any alteration.

Phenol.—Active inquiry, defense needs absorbing substantial quantities. Prices remain the same and tone was firm.

Pitch, Coaltar.—Buying steady. Prices without change and firm.

Pyridin.—Steady interest characterized the market. Prices held the same.

Tar Acid Oils.—Market position tight and inquiries brisk. Prices unaltered.

Toluol.—Defense needs broadening. Premium levels prevail for small offerings in resale market. Prices rule firm.

Xylol.—Market position failed to improve and offerings were usually limited. Prices held firm.

Chicago.—A firm and relatively strong market tone is prevailing in the coaltar products. Defense orders appear to be taking relatively large quantities of various materials. Benzol demand has been good. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 8c. to 9c.; toluol, 27c.; 10-degree xylol, 26c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Dimethylanilin

Raw material shortage, especially anilin oil, made available supplies of dimethylanilin scarce. It enters the defense program directly since it is used as starting point in making tetranitromethylanilin and trinitrophenylmethylnitramine for explosives. It finds a wide use in the manufacture of other chemicals, dyes and plastics. The defense needs will necessarily reduce amount available for civilian use, and sellers were forced to allocate supplies among regular consumers.

A sharp upward trend was noted in production when in 1940 output aggregated 7,049,741 pounds, compared with 4,159,348 pounds in the preceding year. It was difficult to ascertain what production this year will amount to, since the uncertainty of obtaining raw materials will restrict output accordingly.

The material was placed on the export control list together with various other coaltar intermediates last month. So far this year and during last year sizable quantities were shipped to the United Kingdom. No classification was made until the beginning of 1941, and no comparative export figures are obtainable.

Prices have been retained at firm levels over a long period of time. No change was recorded in the quotations since the beginning of the war. Car lots were quoted at 23c. per pound and less car lots 24c. per pound.

Hydrogenated Solvents

Cyclohexane.—Firm undertone characterized market, while interest remained steady.

Cyclohexanone.—Shipments moderately active. Prices underwent no change.

Methylcyclohexanol.—Inquiries and deliveries well sustained. Prices rule firm.

Coaltar Acids

Anthranilic.—Market firm. Usual consumers provided steady call.

Benzoic.—Shipments moved steadily against contracts. Prices held the same.

Broenner's.—A steady replacement demand prevailed. Prices lacked change.

Cleve's.—Usual consumers entered market for normal needs. Prices firm.

Fumaric.—A satisfactory demand continued to keep market in firm position.

Gamma.—Business moderately active. Prices failed to change.

H.—Dealings routine. No change disclosed in the quotations.

Maleic.—Active demand, business on restricted basis as a rule.

Malic.—Withdrawals moderate. No change developed in the prices.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Picramic.—Inquiries fairly steady. Prices unchanged and firm.

Picric.—Defense needs absorb most of supplies. No change in the prices.

Salicylic.—Technical grades in active demand. Prices firm.

Succinic.—Transactions moderately active. Prices well sustained.

Sulphanilic.—Interest maintained at good levels. Pricewise a firm tone prevailed.

Tobias.—Market in tight position and offerings held to regular channels. Prices firm.

Other Intermediates

Alphanaphthol. — Buying steady. Market position firm.

Alphanaphthylamine. — Good demand. Quotations held firm.

Anilin.—Market short, offerings restricted. Prices display firmness.

Anthraquinone.—Active inquiry. No change disclosed in the quotations.

Benzaldehyde.—Active demand for technical grades, with market firm.

Benzidin Base.—Shipments moved steadily against contracts. Prices without change.

Betanaphthol — Market position tight, and offerings limited. Prices firm.

Betanaphthylamine.—Brisk inquiry. Prices unchanged and firm.

Dinitrobenzene.—Steady shipments to regular channels. Prices were firm.

Dinitrochlorobenzene. — Market tight, offerings limited. Prices rule firm.

Dinitronaphthalene.—Business confined to usual channels for normal needs. Prices display firmness.

Dinitrophenol.—Firmness continued to govern the dealings, and demand remained steady.

Dinitrotoluene. — Situation remains tight, and selling restricted. Prices the same.

Diphenyl.—Shipments steady. No change developed in the prices.

G. Salt.—A routine movement continued. Prices without change.

Metanitroparatoluidin. — Market firm. Shipments moved steadily.

Monochlorobenzene.—Brisk inquiry, business usually confined to defense channels. Prices were the same.

—Continued on page 34

Chemical Workers And Payrolls Gain

—Continued from page 5

year. For payroll totals the index number was 173.6 (same basis), compared with 171.1 for June 15 and 133.0 for July 15, last year.

The bureau's general index numbers for all manufacturing industries July 15, 1940, showed the following comparisons:—

	July, 1941.	June, 1941.	July, 1940.
Employment	130.5	127.8	108.2
Payroll totals	172.4	173.8	97.4

Employment in the chemical group of industries was 5.5 percent above the average of all industries. Payroll totals were 0.7 percent above the general average for industries.

Detailed Comparisons

Employment

(100 = 1923-25 average)

	July, 1941.	June, 1941.	July, 1940.
Chemicals	176.0	172.1	140.4
Cottonseed oil, cake and meal	63.4	66.3	45.3
Druggists' preparations	128.2	127.4	113.4
Fertilizers	88.5	92.5	79.8
Paint and varnishes	145.9	144.8	124.6
Petroleum, refined	127.0	125.4	122.9
Rayon and allied products	327.1	327.0	306.9
Soap	96.2	93.3	81.3

Payroll Totals

(100 = 1923-25 average)

	July, 1941.	June, 1941.	July, 1940.
Chemicals	239.6	232.6	167.2
Cottonseed oil, cake and meal	60.7	62.4	43.4
Druggists' preparations	157.1	149.9	124.5
Fertilizers	87.0	93.7	69.7
Paint and varnishes	174.1	177.8	132.4
Petroleum	157.3	156.7	136.6
Rayon and allied products	367.0	362.4	314.7
Soap	135.1	129.0	90.9

Data compiled by the Bureau of Labor Statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1940 average:—

	Employment. July.	June.	Payrolls. July.	June.
Metalliferous mining	78.7	78.2	78.1	86.0
Quarrying and nonmetallic mining	52.8	51.7	55.4	55.5
Crude petroleum producing	61.6	61.6	61.8	59.4
Dyeing and cleaning	121.1	122.9	96.2	98.4

Employment in New York

Employment in factories producing chemicals and related products in New York State gained 1.6 percent and in the city declined 1.1 percent, according to the records of the State Department of Labor.

General factory employment increased 1.8 percent from June 15 to July 15, and payrolls increased 1.8 percent during the same period. The department's index of employment for July 15 was 118.0. The payroll index was 136.7. These indexes are based on the average years 1925-27 as 100.

	Percentages State.	City.
Drug and industrial chemicals	+1.3	+ 1.5
Oil products	—0.3	— 2.0
Paints and colors	+0.1	+ 1.3
Photographic and miscellaneous chemicals	+2.4	—16.6

Average Weekly Earnings

	1941 June.	1941 May.	1940. June.
All manufacturing	$31.84	$30.76	$29.17
Durable goods	36.89	35.55	33.54
Nondurable goods	25.08	24.48	23.62
Chemical, petroleum, and coal products	33.52	32.42	30.96
Petroleum refining	38.64	37.14	36.64
Other than petroleum refining	31.73	30.78	29.09
Chemicals	36.00	35.44	34.24
Cottonseed oil, cake and meal	15.17	14.73	14.90
Druggists' preparations	26.43	25.49	25.12
Explosives	39.41	38.01	36.15
Fertilizers	18.15	17.99	17.48
Paints and varnishes	33.81	33.05	31.57
Rayon and allied products	28.35	28.16	27.54
Soap	32.58	32.15	29.76

Tri-State Water Pollution Pact Signed by Conn.

The State of Connecticut has formally ratified a tri-state compact establishing the Interstate Sanitation Commission and joined New York and New Jersey in a campaign to end pollution in the water of the metropolitan area. Under the compact each State pledges co-operation in control of future pollution and agrees to provide for the abatement of existing pollution. As a result of the campaign sewage treatment plants in the metropolitan area have doubled in number.

Diphenylamine Output At Okla. Ordnance Work

OPD Washington Bureau September 16, 1941

The War Department announced today the award of a fixed-fee contract to E. I. duPont de Nemours & Co., Wilmington, for architect and engineer services, construction services, acquisition and installation of equipment, option for training key personnel and operation of the Oklahoma Ordnance Works at Choteau, Okla. The overall estimated total of this contract is $84,235,594, which includes construction and equipping of plant and one year's production of smokeless powder and diphenylamine. It is estimated that the cost of constructing this plant will be $45,982,478 and the cost of acquisition and installation of equipment will be $14,023,800, the balance being in connection with operation of the plant. The plant is to include all necessary buildings, facilities and utilities, including nitric acid manufacturing units, sulphuric acid concentrating units, nitric acid concentrating units, and nitrocellulose manufacturings units.

Calco Oil Blue NA Folder Available

The most soluble dye yet discovered for solutions in aliphatic and aromatic hydrocarbons, that is the outstanding characteristic claimed for Calco oil blue NA in a folder currently being distributed by the Calco Chemical Division, American Cyanamid Company.

The dye is extremely versatile in adaptability to the coloring of a wide variety of materials, according to this publication. For most applications, Calco oil blue NA is said to be fast to dilute acids and dilute milk alkalies. Tinctorially it is reasonably strong. The unusual solubility of the dye is shown by the fact that, with it, 19 percent solutions in benzol and 7 percent solutions in gasoline can be prepared. Copies may be obtained by addressing Calco at Bound Brook, N. J., and asking for technical bulletin No. 607, by mentioning the REPORTER.

KOPPERS Tar Bases

PYRIDINE—2° and denaturing grades, as well as special fractions as required.

PICOLINES—2° alpha picoline and 3° beta picoline, gamma picoline, alpha alpha lutidine fraction.

LUTIDINES—3° alpha alpha lutidines, picoline fraction.

Also higher-boiling pyridine bases.

QUINOLINE—2°
Also higher-boiling quinoline bases.

OTHER KOPPERS CHEMICALS AND SOLVENTS

Coal Tar Solvents: Benzol (All Grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and Industrial) . . . Solvent Naphtha (Including High Flash).

Tar Acids: Phenol (82% and 90% and 39° Melting Point Pure) . . . Cresol (U.S.P., Resin and Plasticizer Grades) . . . 3° Meta Para Cresol . . . Cresylic Acid (Many Distillation Ranges) . . . Tar Acid Oils.

Naphthalene (Crude and Refined)

Shingle Stain Oil . . . Refined Tars . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote.

OTHER KOPPERS PRODUCTS

Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Paving Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Sulphur Recovery Apparatus . . . Phenol Removal Apparatus . . . By-Product Recovery Apparatus . . . Fast's Self-aligning Couplings . . . Piston Rings . . . Valves . . . Pressure-treated Lumber.

KOPPERS COMPANY

TAR AND CHEMICAL DIVISION · PITTSBURGH, PA.

Coaltar Chemicals

Other Intermediates

—*Continued from page 33*

Nitrobenzene. — Shipments moved well against contracts to keep market firm.

Nitronaphthalene.—Consumers supplied steadily replacement demand. Prices held firm.

Orthoanisidin. — Business steady. Prices failed to change and tone firm.

Orthochloroanilin.—Market position firm. Buying held to regular sources.

Orthochlorophenol. — Prices unchanged and firm. Shipments steady.

Orthocresol.—Supplies limited, and business usually allocated. Prices firm.

Orthodichlorobenzene. — Selling limited. Prices unchanged and tone firm.

Orthonitroanilin. — Market position tight. Prices well sustained.

Orthonitrotoluidin.—Active inquiry. Prices held at firm levels.

Parachlorophenol.—Demand steady. No change disclosed in the quotations.

Paranitrotoluene. — Business usually confined to regular channels. Prices without change.

Phthalic Anhydride.—Business continues to be allocated among regular trade. Prices unchanged and tone firm.

R. Salt.—Market a routine affair. Prices display firmness.

Thiocarbanilide. — Inquiries and shipments were active. Prices firm.

Toluidin.—Withdrawals steady, and offerings limited. Prices the same.

Xylidin.—A good volume of business continued, with market in firm position.

Coaltar Colors

An active interest prevailed in the market for various coaltar colors last week. Some producers were handicapped by the difficulty in obtaining necessary supplies of raw materials, and this reflected in some delays to consumers. With the broader demand from virtually all domestic channels, quantities available for export diminished. A firm price tone continued to characterize the market.

Brazilian By-Product Plant Contract Awarded to Koppers

Pittsburgh, Sept. 22, 1941

The Koppers Company has been awarded a contract for a complete by-product coke plant, consisting of fifty-five Becker type coke ovens, including a plant for the recovery of ammonia, tar, benzol, toluol, etc., for Companhia Siderurgica Nacional (Brazilian National Steel Company) at Volta Redonda, near Rio de Janeiro, it was announced by Joseph Becker, vice-president of Koppers Company. The contract was said to involve approximately $3,000,000.

This plant is to be built in connection with a blast furnace and steel plant. The contract was negotiated with Lt. Col. E. Macedo Soares e Silva, technical director of the above named company, with offices at Cleveland, Ohio, and Arthur G. McKee & Co., builders of blast furnaces and steel plants, at Cleveland, Ohio, who are the engineers for the entire steel works.

U.S. Manganese Pilot Plants in Nev. Operating

OPD Washington Bureau
September 15, 1941

Dr. R. R. Sayers, director of the Bureau of Mines, has reported to Secretary Ickes, that the first unit of the comprehensive group of pilot plants for manganese production built by the bureau at Boulder City, Nev., under a defense appropriation has started operations. A test run just concluded has demonstrated definitely the applicability of a process developed in the bureau laboratories for supplying a portion of the defense requirements of manganese from domestic sources.

Although few deposits of high-grade ore exist in the United States, there are large reserves of low-grade ores, but these have been of no value in the current emergency becaus no feasible methods for successfully treating them to produce a suitable ferro-manganese have been developed. The Bureau of Mines has worked out a number of processes in the laboratory, however, and if these are proved successful by the pilot plant tests, the United States may be able to supply a major portion of its requirements from its own sources.

The first ore to pass through the Boulder City pilot mill, which has a total capacity of 40 tons per 24-hour-day of ore, was that from the nearby Las Vegas Wash mining district, Secretary Ickes was advised. The Bureau engineers have estimated that there are nearly 1,000,000 tons of ore in this area containing more than 10 percent manganese, and that there is more in the adjacent Virgin river district. More than 3,600 tons of the Las Vegas ore has been mined and stored at the Boulder City plant. This ore, which is run-of-mine, averages about 18 percent manganese.

The manganese deposits of the Nevada district, 10 miles southeast of Ely, Nev., have been studied by the Geological Survey, United States Department of the Interior, as part of the government's investigations of domestic deposits of strategic minerals. The ore remaining in stopes and found by diamond drilling indicates reserves estimated at 15,000 tons containing 30 percent or more of manganese. It is estimated that 5,000 tons of ore containing between 10 and 30 percent of manganese remain in the stopes, pits, and on the dumps, and, in addition, 10,000 tons of 30 percent ore may lie in unexplored ground.

Sterling Products Has New Officers

Sterling Products, Inc., at a recent meeting of its directors, elected as its chairman of the board, Edward S. Rogers, patent attorney, this city, and as its president, James Hill, jr., former treasurer of the corporation.

Mr. Rogers succeeds Dr. William E. Weiss, who, in addition to being general manager of the business, is now chairman of the executive committee of the board. A. H. Diebold, formerly president, has been made chairman of the finance committee.

Carroll Chemical Corporation, toilet preparations, has moved from 420 West Camden street, Baltimore, into larger quarters at 121 South Greene street.

Low Temperature Carbonisation, Ltd.
ENGLAND

Largest manufacturers in the World of low temperature tar acids of the highest possible degree of purity and efficiency.

A considerable proportion of the output is already being exported to North and South America for disinfectants, germicidal products and plastics, in addition to the special high efficiency flotation grade for the mining industry.

This is the first time in history that highly refined tar acids of this type have been made available on a large scale, and remarkably good results are being obtained by our many American buyers.

Please send us a note of your requirements with full particulars to our Sales Agents:—

TAR RESIDUALS, LTD., "Garthlands," Reigate Heath, SURREY, ENGLAND

What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Plastics

Plasticizers for Plastics

(Continued from September 15 issue)

Glycol orthochlorobenzoate
Glycol orthotoluate
Glycol paranitrobenzoate
Glycol phenylacetate
Glycol phenyldiethylacetate
Glycol phenylethylacetate
Glycol phthalate
Glycol salicylate
Lactylamidophenyl ethylcarbonate
Lactylamidophenyl isobutylcarbonate
Lactylamidophenyl methylcarbonate
Levulose diacetate
Levulose dibutyrate
Levulose distearate
Levulose ditartrate
Levulose pentacetate
Levulose tetratartrate
Levulose triacetate
Linalyl acetate
Lindol
Linseed oil
Magnesium chloride (for casein prior to molding)
Menthol ethoxyacetate
Menthol ethoxychloroacetate
Menthol methoxyacetate
Menthol methoxychloroacetate
Menthyl acetate
Metadinitrozylene
Methox
Methoxyacetylborneol
Methoxyacetylmenthol
Methoxyacetylsantalol
Methyl acetylsalicylate
Methyl abietate
Methyl (acetoxymethyl) phthalate
Methyl adipinate
Methyl carbamate
Methyl dicresylphosphate
Methyl dinaphthylphosphate
Methyl diphenylphosphate
Methyl furoate
Methyl oleate
Methyl oxalate
Methyl oxamate
Methyl palmitate
Methyl phthalate
Methyl phenoxyethylphthalate
Methyl phosphate
Methyl pimelate
Methyl sebacate
Methyl stearate
Methyl suberate
Methylacetanilide
Methylacetyltrichloroanilide
Methylanilide
Methylanilide phosphate
Methylbenzyl ether
Methylcyclohexanol
Methylcyclohexanol oxalate
Methylcyclohexyl acetate
Methylcyclohexyl adipinate
Methylcyclohexyl carbonate
Methylcyclohexyl phthalate
Methylcyclohexylcarboxylic acid
Methyl-3:4-diamidobenzoic acid
Methyldiphenylurea
Methyleneglycerol
Methylenethylenic glycerol
Methylethenyltrichloramidin
Methylglycol acetate
Methylglycol phthalate
Methylhydroxynaphthyl ketone
Methylisopropyl ketone
Methylisopropylcyclohexane
Methylisopropylcyclohexanone
Methylketobutanol
Methylmethoxyethoxyphthalyl glycollate
Methylnaphthyl ether
Methylnaphthylamine
Methyloxynaphthyl ketone
Methylpentachloranilide
Methylphenylurea
Methylphenylurethane
Methylphthalyl ethylglycollate
Methyltetrachloroanilide
Methyltrichloroanilide
Methylurea nitrate
Methylxylenesulphonamide, normal
Mollit
Monoacetin
Monoacetochlorhydrin
Mono(acetomethyl) phthalate
Monochlorobenzylidene diacetate
Monochloronaphthalene
Monoethylacetyltrichloroanilide
Monomethylenesulphonamide
Mononitromonochlorhydrin
Naphthalene
Naphthalene benzylnitrochloride
Naphthalene bromide
Naphthalene chloride
Naphthalene nitrobromide
Naphthalene nitrochloride
Naphthalene trichloride
Naphthalene ethylsulphonamide
Naphthol
Naphthyl acetate
Naphthyl benzoate
Naphthyl carbonate
Naphthyl diamylphosphate
Naphthyl ether
Naphthyl phosphate
Naphthyl propionate
Naphthyl thiophosphate
Naphthylanilide
Naphthylanilide phosphate
Naphthylphenyl ether
Naphthyl-phosphoric dianilide
New-camphrosal
2-Nitro-4-acetamidobenzoic acid
Nitro acetylcellulose
Nitrobenzoyl nitrate
Nitrocymene
Nitrosobutylglycerol trinitrate
Nitronaphthalene
Nitronaphthyl acetate
Nitrophenyl compounds
Octodecyl alcohol
Octodecyl oleate
Octyl alcohol, normal
Octylbutyl ether
Octylphenyl ether
Orthomethylcyclohexanol adipate
Orthophthalic acid diethylester
Orthophthalic acid dimethylester
Orthophthalic acid methylglycolester
Orthotoluenemethylpyrazolon
Orthotoluenesulphonamides
Oxyalkyl compounds
Oxyalphyl compounds
Oxanilide
2:3-Oxynaphthoic acid anilide
4-Oxy-1-tertiary-butylbenzene
Palatinol
Parachlorobenzenesulphonamide
Parachlorobenzenesulphonanilide
Paraldehyde
Paraplex
Paratoluene cresylsulphonate
Paratoluenealphanaphthol
Paratoluenesulphoacetanilide
Paratoluenesulphocresol
Paratoluenesulphodiethylamide
Paratoluenesulphoethylamide
Paratoluenesulphoethylanilide
Paratoluenesulphonacetanilide
Paratoluenesulphonamide
Paratoluenesulphonamide ethylether
Paratoluenesulphonamidoacetic acid
Paratoluenesulphonanilide
Paratoluenesulphonic acid cresylester
Paratoluenesulphonic acid ethylester
Paratoluenesulphonic acid methylester
Paratoluenesulphonic acid phenylester
Pentacetyllevulose hexacetate
Pentacetyllevulose monoacetate
Pentacetyllevulose octacetate
Pentacetyllevulose tetracetate
Pentaerythritol acetate
Pentaerythritol benzoate
Pentaerythritol formate
Pentaerythritol maleate
Pentaerythritol nitrate
Pentaerythritol oxalate
Pentaerythritol phthalate
Pentaerythritol succinate
Pentaerythritol tetracetate
Phenanthrene
Phenetol
Phenol compounds
Phenyl acetylsalicylate
Phenyl benzoate
Phenyl carbonate
Phenyl citrate
Phenyl diethylphosphate
Phenyl formate
Phenyl glycide
Phenyl maleate
Phenyl paratoluenesulphonate
Phenyl phosphate
Phenyl propionate
Phenyl salicylate
Phenyl tartrate
Phenyl thiophosphate
Phenylacetamide
Phenylaceto-2-naphthalide
Phenylalkyl esters of phosphoric acid
Phenylanilide
Phenylanilide phosphate
Phenylbenzyl ether
Phenylcarbamide
Phenylethyl alcohol
Phenylmethylcarbamide
Phenylparatoluenesulphoethylanilide
Phenyl-phosphoric esters
Phenyl-phosphoric dianilide

(To be continued)

Dyestuffs, Textile and Leather Chemicals

Liquid and Powdered Quebracho Extract Prices Advanced —Sumac Extract Firmer—Chrome Acetate Up Slightly —Defense Business Indirectly Reflected in Buying

While price movements were not so plentiful as the preceding period, a few adjustments occurred on the upside last week. Fractional advances in liquid and powdered quebracho extracts provided the outstanding change. The revisions reflected the higher transportation costs from primary centers. A moderate advance occurred in powdered chrome acetate, and material was in a tight position; no quotations were available for the solution. In line with other dyewood extracts, prices for various grades of sumac extract were lifted.

With defense business a large factor in stimulating operations for several branches of the textile and leather industries, buying held steady. Consumers experienced difficulty in obtaining supplies in many items, and endeavored to find suitable substitutes. In practically all instances sellers were cautious in not booking orders very far in advance, and usually held commitments to normal requirements where it was possible to do so.

Defense priorities director granted a general defense preference rating to manufacturers of maintenance and repair parts for textile machinery.

Chemicals

Alumina Acetate.—Offerings limited. Prices remain firm.

Alumina Chloride.—Market tight. Pricewise a firm tone prevailed.

Antimony Salts.—Spot supplies light. Quotations remain firm.

Chrome Acetate.—Powdered material up ½c. at 22c. per pound. Business limited.

Potash Bichromate.—Defense needs first; offerings to regular consumers allocated. Prices firm, resale 26c. per pound.

Potash Prussiate.—Steady inquiry. Prices held the same, and tone firm.

Soda Bichromate.—Shipments on allocated basis. Market position firm. Resale, 24c. per pound.

Soda Prussiate.—Quotations firm at recently established levels. Shipments well sustained.

Sulphonated Oils.—Prices retained firmness, while inquiries were brisk.

Zinc Dust.—Business restricted. Prices held at same levels.

Blood Albumen

The defense program has been a large factor in tightening supplies of the various grades of blood albumen. The domestic requirements were so great that sellers experienced difficulty in taking care of all orders. The light blood albumen is principally used by the tanning, textile and cork industries, while the soluble dried blood finds its way into the plywood industry for lamination purposes; clarification of tanning extracts; insecticide field for oil emulsions, etc.

Previous to the war sizable quantities have been imported into this country from Europe. However, since that time practically no material has reached this country. While no definite figures are available on production, it is understood that domestic output has been stepped up sufficiently to take care of most of the increased demand for blood albumen.

Light blood albumen currently sells at 65c. to 75c. per pound, according to quantity. Prior to the war prices ranged from 52c. to 60c. per pound. It has only been in recent weeks that the market showed a firmer trend, previous to this a long period of stabilized prices was in evidence.

Price Changes

Advanced

Chrome acetate, pwd., ½c. per lb.
Quebracho, ext., liq., ¼c. per lb.
powdered, ½c. per lb.
Sumac, ext., 1c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
245.3	244.3	235.9	144.6

Market news that may have developed after this report was sent to press will be found on page 4.

Dyestuffs

Annatto.—Routine interest. No change developed in the prices.

Cochineal.—Not much new buying, while prices were the same.

Fustic.—Shipments moved steadily. Quotations firm at new levels.

Hypermic.—Prices firm at recently established levels. Dealings steady.

Indigo.—Business light. No change disclosed in the prices.

Logwood.—Good movement. Prices display firmness at the higher levels.

Turmeric.—Spot offerings limited. Prices unchanged and tone firm.

Sizing Materials

Albumen, Egg.—Domestic and imported prices unchanged. Good inquiry. Department of Agriculture purchased 1,336,710 pounds of dried eggs in week ended September 13.

Corn Sugar.—Bookings well sustained. Prices failed to change.

Dextrin Corn.—A firm tone characterized the market, while shipments were steady.

Dextrin Potato.—No new price developments. Withdrawals moderately active.

Egg Yolk.—Quotations unchanged and firm. A steady inquiry was prevalent.

Sago Flour.—Shipments from primary market still a factor. Prices underwent no change.

Starch, Corn.—Consumers made steady replacements to keep market firm.

Starch, Potato.—Call moderate and steady. Prices held the same.

Starch, Rice.—Steady to firm price tone. Buying fairly well maintained.

Starch, Wheat.—Prices unaltered. Consumers entered market steadily.

Tapioca Flour.—Offerings appeared more plentiful and prices held at the levels in force the preceding period.

Tanning Materials

Chestnut Bark.—Steady movement against contracts. Prices rule firm.

Cutch.—Business confined to regular channels for normal needs. Prices unchanged.

Divi-Divi.—Inquiry satisfactory, but shipments irregular. Prices unchanged.

Gambier.—Not much available on spot. Prices continued nominal.

Hematine.—Prices firm at levels established previously. Demand steady.

Hemlock.—Withdrawals good and prices display firmness.

Mangrove Bark.—Moderate inquiry. No change occurred in the prices.

Oakbark.—Business moved at a good pace. Prices held firm.

Osage Orange.—Prices well sustained at higher levels. Good interest.

Quebracho.—Liquid up ¼c., making tanks 5¼c., and car lot, barrels, 5¾c. per pound; powdered advanced ½c. at 10½c. for car lots and 11c. for less car lots. Active inquiry.

Quercitron.—Quotations firm at higher levels. Interest remained steady.

Sumac.—Prices for No. 1 and No. 2 extracts up 1c. at 8c. and 9c. per pound, respectively.

Wattle Bark.—Prices remain the same, while inquiries were steady.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Association meetings:—
American Ass'n Textile Chemists and Colorists, Oct. 31-Nov. 1, Pinehurst, N. C.

Trade Briefs

U. S. Rubber Company broke ground September 8 in Naugatuck, Conn., for a $2,750,000 synthetic rubber production unit.

General Dyestuff Corporation, this city, has issued circulars on acid, alizarine bordeaux blt. fast sulphon black A, and on para brown GKA.

Champlain Corporation, a subsidiary of the Interchemical Corporation, has sold its Garfield, N. J., plant to the Chicago Pneumatic Tool Company.

Upjohn Company, pharmaceutical manufacturer, Kalamazoo, Mich., plans construction of a one-story chemical products plant and warehouse, to cost $75,000.

Reynolds Metals Company has started operations at its new aluminum plant in Longview, Wash., which has an annual production capacity of 30,000 tons.

H. S. Parsons has been named president of the Naco Fertilizer Company and will be succeeded as vice-president by Arthur C. Diehl, formerly manager of the Wilmington, N. C., plant.

Waxaid Company, manufacturer of polishes and insecticides, which recently moved into larger quarters in the building back of 1101 Brunswick street, Baltimore, has taken over an additional 5,000 square feet of floor space.

Tillotson Clay Products Company has been incorporated in Los Angeles, with a capital of $10,000. The new corporation is represented by Swanwick Donnelly & Proudfit, California Bank Building, Los Angeles, Calif.

Taggart Corporation, this city, plan construction of plant for daily production of 250,000 heavy-duty kraft paper bags at Franklin, Va., to cost $500,000.

Trinitrotoluol production will begin September 22 at the $48,000,000 Kankakee Ordnance Works, Joliet, Ill., the largest high explosives plant in the United States.

Ralph K. Davies, acting petroleum coordinator, has issued a procedure manual which will expediate the conduct of business between that office and industry advisory committees in their joint effort to solve the nation's oil problems.

Defense Industry Group Set on Leather Shoes

OPD Washington Bureau
September 18, 1941

The Bureau of Clearance of Defense Industry Advisory Committee appointed nine subcommittees for the Defense Industry Advisory Committee. The subcommittees are the shoe manufacturers, retailers, last manufacturers, rubber footwear and rubber materials for shoes, tanners' supplies, upper leather, technical shoe specifications, hide and skin and sole leather.

Members of the tanners' supplies technical subcommittee are Dr. Fred O'Flaherty, Tanner's Research Laboratory, University of Cincinnati, Cincinnati, Ohio; G. W. Schultz, Proctor Ellison Company, Elkland, Pa.; Adolph Schubert, B. D. Eisendrath Tanning Company, Racine, Wis.

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412 W. PERSHING ROAD CHICAGO, ILLINOIS
Write for Samples and Quotations Cable Address: "GARTEGG"

Plant Repair Aid Assured by OPM Plan

OPD Washington Bureau
September 16, 1941

A streamlined plan to grant priority assistance for repair work in certain essential industries has been announced by Priorities Director Nelson. The new plan takes the place of the Maintenance and Repair Order which was announced August 8, but which was never actually issued because of administrative difficulties in handling the paper work it would have involved.

The new plan provides machinery under which priority status for repair work in industrial classifications can be obtained, so that firms and agencies in these classifications may obtain repair parts promptly.

The revised scheme permits qualified producers or suppliers to apply a preference rating of A-10 to deliveries of required repair parts by endorsing a special statement on purchase orders, certifying that the material being ordered is for repair work under the terms of the order, P-22. The order can be used also to get deliveries for "emergency inventory." The classes in the present order are as follows:—

Chemical plants engaged in producing chemicals by chemical processing of raw materials.
Coke converting.
Educational institutions (including vocational training).
Explosives plants engaged in manufacturing.
Hospitals, clinics, and sanatoriums.
Metallurgy plants engaged in the production of metals and alloys.
Mines and quarries (including ore dressing or processing plants and smelting facilities).
Petroleum production, refining, and transportation — Plants and equipment used in petroleum production, refining and transportation.
Research laboratories.
Rubber plants engaged in the production of rubber and rubber products including reclaimed and synthetic rubber.

Union Potash & Chemical Company, Chicago, has moved its Southern sales office to 408-9 Volunteer building, Atlanta.

National Lead Buys Ilmenite Deposits

The National Lead Company completed September 10 negotiations for the purchase of 4,000 acres of land at Tahawus, N. Y., where they will mine ilmenite, source of titanium oxide. Construction of a plant has already been started and mining of one deposit is expected to be in full operation by next Summer.

The Office of Production Management has granted the company priority on all equipment needed to complete construction and begin operations, with the understanding that the ilmenite be available to other titanium manufacturers.

Of the five deposits seventy-five acres of land are being cleared for working of the Sanford Mountain unit. That unit is expected to yield about 4,000 tons of ore daily from which will be processed about 800 tons of ilmenite and 1,600 tons of magnetite. The latter is used in the steel industry.

The Adirondack deposits were discovered in 1908 but were never developed until the present international situation halted imports of ilmenite from India and Africa. That the domestic source of ilmenite may prove ample for the needs of the paint industry in the country may be seen from estimates of the National Lead Company that the Sanford Mountain deposit will yield enough ilmenite to supply the titanium industry for the next ten years.

Army Lifts Ban on 143 Nondomestic Materials

OPD Washington Bureau
September 16, 1941

Army regulations have been revised lifting the prohibition on use of 143 different materials from other than domestic sources. These materials may now be used regardless of their country of origin in the making of supplies or equipage for procurement by the Army. To these regulations, procurement circular No. 59 has been issued by the War Department adding as follows:—

Because the materials listed below, or the materials from which they are manufactured, are not mined, produced, or manufactured, as the case may be, in the United States in sufficient and reasonably available commercial quantities and of a satisfactory quality, their use in the manufacture of the supplies (subject to the requirements of the specifications) is authorized without regard to country or origin:—

Abrasives
Acetic Acid
Acetic Anydride
Acetone
Aconite root
Alcohol, ethyl
Alphacellulose
Aluminum
Anilin
Antimony (and ores)
Argols and wine lees
Arsenic
Asbestos
Barium chemicals
Bauxite
Belladonna leaves
Belladonan roots
Beryl ores
Bismuth (and ores)
Cadmium (and ores)
Calcium
Camphor
Castor beans
Castor oil
Chlorine
Chromium (and ores)
Cobalt (and ores)
Coconut oil
Coconutshell char
Columbium and ores
Copper (and ores)
Copra
Cotton linters
Cresols and cresylic acid
Cryolite
Cube or timbo root
Derris root
Ergot of rye
Fishliver oils
Fish oils
Flaxseed
Fluorspar
Formaldehye
Gasoline, aviation, 100 octane
Glycerin
Graphite
Gums and resins, natural
Gypsum
Helium
Henbane leaves
Ilmenite
Iodine
Iridium (and ores)
Lac and shellac
Lead (and ores)
Linseed oil
Magnesite
Magnesium
Manganese, ferro-grade (and ores)
Manganese and ores
Mercury (and ores)
Methanol
Mica
Molasses
Molybdenum (and ores)
Naphthalene
Neat's-foot oil
Nickel (and ores)
Nitrogen compounds (including ammonia, nitric acid, and Chilean nitrates)
Nux vomica
Oiticica oil
Opium
Palm oil
Petroleum and petroleum products
Phenol
Phosphate materials
Phosphorus
Phthalic anhydride
Platinum (and platinum group) (and ores)
Polyvinyl chloride
Potash
Pyrethrum flowers
Pyrites
Quartz crystal
Quinine (and cinchona bark)
Radium and ores
Red squill
Refractory materials
Rotenone root
Rutile
Senna leaves
Stramonium leaves
Strontium and ores
Strontium chemicals
Sulphur
Sulphuric acid
Tanning materials
Tantalum and ores
Teawaste
Tin (and ores)
Titanium and ores
Toluol
Tung nuts
Tung oil
Tungsten (and ores)
Uranium (and ores)
Vanadium (and ores)
Zinc (and ores) and zinc concentrates
Zinc oxide
Zirconium (and ores)

Paraguay Signs Opium Pact

Paraguay has deposited with the secretariat of the League of Nations its ratifications of International Opium Convention of 1925 and the 1931 Convention for Limiting the Manufacture and Regulating the Distribution of Narcotic Drugs.

Basic Varnish & Research Corporation, 215 North Tenth street, Brooklyn, has made an expansion in its business by acquiring an additional corner property adjoining its present plant, to be used for storage purpose.

UVERSOLS
(NAPHTHENATES)
LINOLEATES
OLEATES
PASTES
RESINATES
SOYATES
LAURATES
STEARATES
SALTS

Definite quality and uniformity of Harshaw driers and metallic soaps help simplify production problems in many paint and varnish plants. Harshaw makes all types of driers and metallic soaps based on the metals: cobalt, lead, manganese, zinc, calcium, iron, tin, aluminum and others.

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Sales Offices: New York, Philadelphia, Chicago, Detroit, Pittsburgh, Cincinnati, East Liverpool, Los Angeles, San Francisco

Paint, Varnish, Lacquer Materials

Various Lacquer Materials Are Advanced for Fourth Quarter —Advances in Iron Blues, Chrome Colors Expected—Slab Zinc Price Boost Possible—Naval Stores More Active

Fourth quarter advances in prices of various lacquer materials, and indications of higher quotations on certain dry chemical colors and slab zinc highlighted the market for raw materials last week. The lacquer materials advanced were acetone, amyl acetate, normal butyl acetate and alcohol, diacetone alcohol and all grades of ethyl acetate. The OPA had requested that these materials be quoted at levels prevailing on July 29 but reports were that some understanding was reached with the government officials before the advances were made.

Higher production and raw material costs gave strength to prices on certain dry colors. Indications were that this week advances will be made on lithol toners, iron blues and chrome greens, yellow and orange. The general dry color market remained very tight. An advance in the price of slab zinc was believed imminent as a direct result of the boost in the zinc concentrate price at Joplin early in the week. The only factors to prevent a slab zinc price rise would be a reduction of the Joplin price or absorption of the advance by smelters who depend solely on Joplin concentrates.

Importers of Argentine casein, realizing their price was too high to compete with domestic material, lowered quotations last week. Business in rosin and turpentine was rather more active. Turpentine was moderately lower at one time but it recovered later and the undertone of the market was still regarded as firm. Reports were current to the effect that the government closed contracts for a large quantity, supposedly for export. Rosin prices had an upward trend at times, changes being moderate.

Price Changes

Advanced

Acetone, 1c. per lb.
Alcohol, diacetone, 1c. per lb.
Butyl alcohol, normal, 1c. per lb.
Butyl acetate, normal, 1c. per lb.
Ethyl acetate, 1c. per lb.
Ethyl acetoacetate, 2c. per lb.
Rosin, gum, 5c. to 9c. per 100 lbs.

Reduced

Casein, imp., Argentine, 1c. per lb.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
129.8	129.8	129.8	126.2

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

Shipments of pig lead to domestic consumers increased greatly last week as the government finally announced September allotments of foreign lead, totaling 30,000 tons. There is a possibility that some of this metal may be carried over into October and therefore would have to be reallocated. October needs are estimated to be about 25 percent covered. Price is steady. Slab zinc suppliers continued to allocate sales as demand remained very heavy. Daily output in August set a new all-time high, totaling 2,436 tons from domestic and imported ores. The July figure was 2,408 tons. Shipments in August declined 491 tons from the July level of 71,894.

Lead. — Prevailing spot prices at New York, St. Louis and London for the period from September 13 to September 19, inclusive, were as follows:—

	Pigs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0585@.0590	$0.0570	..* .. ..
Monday	.0585@.0590	.0570	.. .. ..
Tuesday	.0585@.0590	.0570	.. .. ..
Wedn'sd'y.	.0585@.0590	.0570	.. .. ..
Thursday	.0585@.0590	.0570	.. .. ..
Friday	.0585@.0590	.0570	.. .. ..

* London exchange closed.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from September 13 to September 19, inclusive, were as follows:—

	Slabs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0765	$0.0725	..* .. ..
Monday	.0765	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	.0765	.0725	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.0765	.0725	.. .. ..

* London exchange closed.

Pigments

Antimony White. — Producers continued to restrict orders due to short stocks. Movement irregular and small. Price steady and unchanged.

Blue Lead.—Fairly large movement.

White Lead

White lead exports from the United States fell off during 1940, but present indications are that this year's shipments will top those of 1939. In 1940 exports totaled 1,360 short tons, compared with 2,024 tons in 1939. Shipments of dry white lead to foreign countries during the first four months of 1941 totaled 886,009 pounds, against 264,200 pounds in the similar period of 1940. Exports of white lead in oil were 528,988 pounds in January-April, 1941, compared with 407,117 in the similar period of 1940.

White lead failed to keep pace with other pigments in 1940, as its sales declined 18 percent from 1939, while others were relatively unchanged or higher. Normally 95 percent of the white lead consumed is used in paint manufacture. Only 91 percent of the 1940 consumption was so used, however, and its use in ceramics rose to nearly 4 percent. Consumption of white lead, dry and in oil, last year totaled 80,562 short tons, compared with 98,429 tons in 1939.

In August, 1939, white lead, basic carbonate, in car lots, was quoted at 7c. per pound, and basic lead sulphate was at 6¼c. per pound. The current price is ½c. per pound higher in each case. White lead in oil, however, has been advanced 1c. per pound to 13¼c. for consumers, 11¼c. per dealers, and 12¼c. for painters.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Fed. Production Clubs, Oct. 27-28, Chicago.
Nat. Paint, Varn. and Lacq., Oct. 29-31, Chicago.

EXCELLENT MISCIBILITY WITH OILS & VARNISHES
LIGHT IN COLOR (IDEAL FOR WHITES)
EASY BRUSHING & GOOD LEVELING
VERY GOOD GLOSS & COLOR RETENTION
ENTIRELY SOLUBLE IN MINERAL SPIRITS & COAL-TAR SOLVENTS
NEUTRAL WITH BASIC PIGMENTS

ACID VALUE 3-4: VISCOSITY Z_1—Z_2
60% SOLIDS—40% MINERAL SPIRITS

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Carload Shipments from Provo, Utah
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There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate.

Satisfactory buying interest. Price steady.

Flake White.—Movement routine. Price firm.

Litharge.—Battery makers buying in good volume. Shipments large. Offerings routine. Prices steady.

Lithopone.—Market tight. Defense orders and contract customers getting preference. Spot market quiet. Prices firm.

Orange Mineral.—Movement large. Buying in good volume reported. Prices steady.

Red Lead.—Offerings remained unrestricted. Consumers ordering in good volume. Prices unchanged.

Titanium Pigments.—Market very tight. Contract customers' supplies allocated. Open market transactions reported at 26c. per pound for ordinary material.

White Lead.—Movement better than normal. Prices steady.

Zinc Oxides.—Market very tight, with sales allocated. Prices steady.

Fillers and Extenders

Asbestos.—Large movement reported. Prices firm to stronger.

Asphaltum.—Deliveries in good volume. Inquiries well maintained. Prices unchanged.

Barytes.—Satisfactory buying reported. Contract deliveries at good level. Prices firm.

Blanc Fixe.—Demand good. Tone stable.

China Clay.—Movement large. Domestic and imported material in good demand. Prices unchanged.

Diatomaceous Earth. — Continued good demand. All grades active. Prices steady.

Fullers Earth. — Fair movement. Quotation firm.

Graphite.—Shipments in good volume. Offerings and demand normal. No changes in price.

Gypsum. — No material changes. Market at levels of previous week. Prices unchanged.

Mica.—Offerings fairly extensive. Shipments large. Prices steady.

Whiting.—Demand well maintained. Quotations stable.

Driers

The market situation in respect to stearate and palmitates showed no change during the period under review. Contract customers were receiving major consideration, and there was little offered in the open market. Other driers were tight. Prices were steady and unchanged.

Dry Colors

Alkali Blue Toner.—Heavy demand reported. Offerings somewhat restricted. Price steady and unchanged, following advance two weeks ago.

Bone Blacks.—Demand well maintained. Prices steady.

Carbon Blacks.—Continued brisk demand reported. Prices firm. Inventories held by major producers on September 1 amounted to 123,000,000 pounds, compared with 129,000,000 on August 1 and 150,000,000 on September 1, 1940. Production in both July and August was 41,000,000 pounds, but shipments last month rose 11,000,000 pounds to 47,000,000.

Chrome Colors.—Chrome green, yellow and orange were very strong last week and advances by prominent producers are expected sometime this week. Demand very heavy.

Iron Blues.—Similar to the chrome, colors, advances in these materials are expected this week. Demand heavy.

Iron Oxides.—Shipments were well maintained last week, with contract call at high levels. Prices were steady and unchanged.

Mercuric Oxides.—Producers continued to quote previous figures. Deliveries were well maintained on contract.

Ultramarine Blue.—Contract movement large. Prices steady

Lacquer Materials

Some sellers advanced fourth quarter prices for acetone, amyl acetate, normal butyl acetate and alcohol, diacetone alcohol and all grades of ethyl acetate last week. Previously, the OPA had requested the prices to remain at the levels prevailing on July 29, 1941. However, it was believed, that some understanding was reached with the Office of Price Administration before advancing prices. The changes directly reflect the higher production and raw material costs.

One leading producer, who raised prices on ethyl acetate, ethyl acetoacetate, butyl acetate and amyl acetate, advised customers that materials affected will revert to third quarter levels if and when the OPA establishes maximum price ceiling on glacial acetic acid.

Defense needs continued to be the prime factor, absorbing substantial quantities of leading solvents, in many instances direct and indirect defense requirements took more than 50 percent of the available output. Civilian

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S & W Naturals		S & W Synthetics
Accroides	Congo	"S & W" ESTER GUM—all types
Batu	Pontianak	"AROFENE"*—pure phenolics
Batavia Damars	Manila	"AROCHEM"*—modified types
Singapore Damars	Loba	"CONGO GUM"—raw, fused and esterified
Black East Indias	Elemi	"AROPLAZ"*—alkyds
Pale East Indias	Kauri	

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Years of experience in the Resin field, together with the advantage of closely co-ordinated research and technical data on both the S & W Synthetic and Natural Resins, have enabled us to be of direct service to the trade under the present unusual conditions.

Manufacturers of finishes are taking interest in the complete line of S & W Natural Resins. These are available in many types and grades, with a wide range of properties as to hardness, solubility, color, uses, etc., to supplement Synthetic Resins.

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NOT rabbits out of your hat, but *profits* out of your paint! That's the sort of magic you can perform when you treat your paints with

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By using this proven deodorant you can give the consumer the type of paint he has been waiting for *and will buy*—namely, one *without objectionable odor*. The cost is negligible — 1 lb. of "No. 5" effectively masks 400 gallons of the average paint. Write for particulars TODAY.

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needs of regular contract consumers were allocated after providing for defense priorities.

Acetone.—Some sellers advanced prices 1c. to basis of 8c. in tanks; 9½c. in car lots and 10c. in less car lots. Heavy inquiry, selling restricted.

Amyl Acetate.—Prices raised 1c. for most grades making ex fusel oil material, 12½c. per pound in tanks. Market position tight, offerings limited.

Butyl Acetate.—Most factors raised normal grade 1c. to the basis of 11c. per pound in tanks; no change in the secondary. Supplies scarce.

Butyl Alcohol.—Some producers lifted prices 1c., making tanks 11c. per pound; no change made in secondary. Business usually allocated.

Diacetone Alcohol.—One factor advanced prices 1c. for all grades making acetone free 12c. in tanks and technical 11c. per pound in tanks. Active inquiry.

Dibutyl Phthalate.—With few exceptions prices now quoted at 19c. per pound for tanks; at least one seller adhered to 18c. level. Defense needs taking bulk of material.

Ethyl Acetate.—All grades raised 1c., making 85-90 percent 8½c. per pound for tanks and 95-98 percent, tanks, 8¾c. per pound. Market short.

Ethyl Acetoacetate.—Prices up 2c., making drums 30c. per pound. Market in tight position.

Isopropyl Acetate.—Prices remain firm. Offerings limited.

Methyl Ethylketone.—Firm prices prevail, while offerings were restricted.

Tricresyl Phosphate.—Bulk moving to defense channels. Civilian offerings limited. Prices unchanged and firm.

Naval Stores

The undertone of Southern markets was regarded as firm in the main although turpentine was two cents a gallon lower at one time early in the week. The tendency was upward later in the period while moderate advances were shown by most grades of rosin. It was announced from Washington that the government purchased 1,330,548 gallons of turpentine during the week ended September 13. Last week bids were received by the government on supplies of pine oil, pine tar, pine tar oil, pitch, tall oil wood rosin and liquid wood rosin and it was expected that announcement as to the quantities taken by the government would be made at the close of last week.

The government remained in the market as a seller of turpentine and also of 1939 rosin in barrels. Offerings from private sources were generally light or moderate as there was no material increase in shipments from the interior to Southern markets. The movement on contracts to users in important consuming industries was steady. There was much interest in trade circles last week in the meeting of naval stores producers to be held in Jacksonville September 23. It is expected that the attendance will be large as plans for the 1942 production operations will be the principal topic at the meeting.

Turpentine.—The local market was irregular. Changes in quotations from day to day were moderate, however, and the tone was regarded as firm. Business lacked snap but there were reports of some increase in the movement of moderate lots to local and other consumers.

Savannah, Sept. 19.—Following is a record of the turpentine market for the week:—

	Gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Saturday*	...	...	...	...	...
Monday	69¼	17,550	122	91	16,868
Tuesday	68½	17,950	819	...	17,687
Wednesday	69¼	7,450	194	88	17,793
Thursday	69½	4,050	177	104	17,866
Friday	70¼	6,050	91	14	17,943

* No trading.

Jacksonville, Sept. 17.—Turpentine stock 12,547 barrels.

Pensacola, Sept. 13.—Turpentine stock 8,133 barrels.

Chicago—Sept. 19

Trade in turpentine is active. Ruling prices at the close of business last night were:—Five-drum lots, 80c. per gallon; five wood barrels, 85c.; single drums, 83c.; single barrels, 88c.

Rosin.—The local market had a firm tone much of the time, in company with developments in the South, where the trend of prices was upward, although changes were not very wide.

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The vanadium oxide content of "Vanadiset" resin, according to varnish makers, accounts for the remarkable tenacity of metal coatings, and their resistance to brine and acids.

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Finely Ground MICA

AVAILABLE IN THIS COUNTRY TO TAKE CARE OF *Any* NEEDS!

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WET GROUND MICA ASSOCIATION, Inc.

420 LEXINGTON AVENUE NEW YORK, N. Y.

Business here was generally of a conservative character, but an increase was noted in demand for moderate lots.

SAVANNAH, Sept. 19.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted				
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$2.48	$2.48	$2.48	$2.48	$2.48
D	2.46	2.48	2.48	2.52	2.52
E	2.46	2.48	2.50	2.52	2.52
F	2.46	2.48	2.50	2.54	2.57
G	2.46	2.48	2.50	2.54	2.57
H	2.45	2.47	2.50	2.54	2.57
I	2.46	2.47	2.50	2.54	2.57
K	2.47	2.49	2.51	2.54	2.57
M	2.57	2.59	2.61	2.64	2.68
N	2.59	2.60	2.62	2.64	2.68
WG	2.77	2.77	2.80	2.82	2.86
WW	2.98	2.98	3.00	3.00	3.02
X	2.98	2.98	3.00	3.00	3.02
	Barrels				
Sales.... ...	897	630	475	453	878
Receipts. ...	378	1,432	501	655	533
Shipments ...	438	862	105	4,530	742
Stocks... ...	...	..	...	...	115,038

* No trading.

Jacksonville, Sept. 17.—Rosin stock 291,643 barrels.

Pensacola, Sept. 13. — Rosin stock 20,046 barrels.

Chicago—Sept. 19

The rosin market is firm with volume holding up well. Five drum lots:—B grade, $3.77 per 100 pounds net; G grade, $3.78; M grade, $3.90; W. W. grade, $4.33.

The following table shows the quantity of rosin and turpentine held by the CCC under loans to producers at the close of business September 15, 1941:—

Crop year.	Rosin.	Turpentine casks.
1938—bbls.	308,038	.....
drums	.....	.....
1939—bbls.	298,352	11,345
drums	20	.....
1940—bbls.	80,287	38,185
drums	260,083	.....
1941—bbls.	.....	.....
drums	93,980	.....
Totals	1,040,760	49,530

Other Naval Stores

Pine Oil.—Inquiry continued good. Spot supplies light. Market firm.

Pitch.—Steady contract movement. Quotations maintained. Tone firm.

Rosin Oil.—Increased request from local and other consumers. Market steady.

Tar.—Contract movement steady. New business good. Tone firm.

Shellac

Conditions change little in the market for shellac during the past week. All factors reported a high level of activity and indicated the local quotations, by their stability, were reflecting the lack of a definite trend up or down in the Calcutta market. The problem of assuring a continuing flow of shellac from Calcutta to the United States has been by no means assuredly solved, though the outlook has been brighter of late. Meanwhile, defense is likely to cut down on supplies of materials competitive with shellac and consequently there is reason to expect a continued expansion in United States requirements.

Varnish Gums

The varnish-gum market was firm both here and at primary centers last week. The major factor in the picture continued to be the transportation problem, but to date there has been little curtailment of deliveries. Supplies appear ample for ordinary needs. Prices on all grades remained steady and unchanged.

Synthetic Resins

With use of many of the synthetic resins restricted by the government, demand for many of these products remained very heavy last week. Ester gum shipments were large and the situation was tighter. Many producers were practically sold out. Prices were firm and unchanged.

Glues and Binders

Casein.—Importers of the Argentine casein last week realized their prices were too high to compete with the domestic material and therefore reduced quotations 1c. per pound to a range of 29c. to 30c. for the 20-30 mesh, and 29½c. to 30½c. for the 80-100. The price of the domestic remained firm and unchanged. The market was very tight, with offerings restricted.

Glues.—No changes reported. Stocks low. Offerings curtailed. Prices nominal.

Cleveland Paint Club Marks Fiftieth Year

The fiftieth anniversary of the Cleveland Paint, Varnish and Lacquer Association was observed at the Acacia Country Club September 12. Approximately 300 members and guests were in attendance. N. W. Putman, of the Imperial Paper & Color Corporation, who has tendered his resignation as president of the club, presided.

At the speakers table were Dwight P. Joyce, of the Glidden Company; Robert L. Hutcheon, of Passonno-Hutcheon Company; G. Mutersbaugh, president of the Cleveland Production Club; E. J. Forth, of the Gibson-Homans Company; R. Elton, secretary of the National Paint, Varnish and Lacquer Association; George A. Martin, chairman of the Sherwin-Williams Company; E. T. Holmes, of E. T. Holmes Company; W. A. Alpers, of the Cleveland Paint & Colors Company; A. A. Mazeika, of the Pittsburgh Plate Glass Company, and C. H. Wilmot, to whom a silver tray was presented, in honor of being the oldest former president, Mr. Wilmot served as president in 1898.

Mr. Holmes read a brief historical sketch of the association, and Mr. Alpers, who served as president in 1919-20, introduced the following former presidents:—L. A. Breves, Werber G. Smith, C. H. Reed, J. C. Drouillard, S. C. Wagenman, R. L. Hutcheon, F. Wickham, J. A. Gehring, R. L. Hawkins, J. L. Caruth and E. J. Forth.

Allyn K. Thayer, of C. K. Williams & Co., the club's secretary, introduced delegates from New York, Cincinnati, Columbus, Detroit and Milwaukee clubs. Introduced as just having observed his seventy-fifth birthday and fiftieth anniversary with the Sherwin-Williams, Company, Mr. Martin told of earlier days in the industry. Mr. Elton expressed the regrets of Ernest T. Trigg, president of the national association, on being unable to attend.

P. M. Pyper, of the A. G. Watt Company, golf committee chairman awarded the low gross prize to R. A. Bull, and second low net to C. A. Smith of New Jersey Zinc Company. E. J. Forth won past-presidents' prize. Low net winner was Fred Wickham and other net winners were H. L. Slaughter, R. G. Cunningham, A. Brown, Carter Rich, L. H. Miller and E. J. Bradley. Mr. Derrick of Cincinnatti won drive-nearest-hole. Blind bogey winners were R. H. Keene, T. J. Roberson, R. Marston and Carl Sauer.

Mr. Passonno, former president, closed the meeting by asking the cooperation of the members for continued growth in the club.

Gelatin Products Engages Pike

Gelatin Products Company, Detroit, has appointed Dr. Edwin F. Pike director of chemical research. Dr. Pike was previously associated with Armour & Co. as technical director for the Armour laboratories. Prior to that, he spent seven years in Europe as foreign field supervisor for the A. E. Staley Manufacturing Company, Chicago.

Current Market Quotations

Zinc Sulphide—Zirconium

—*Continued from page 25*

Zinc, sulphide, calcium pigment, bgs., c.l., dlvd..lb.	.05½	—
l.c.l., dlvd.....lb.	.06½	—
magnesium pigment, bgs., c.l., dlvd..lb.	.05½	—
l.c.l., dlvd.....lb.	.05¾	—

Car lot prices are ½c. higher delivered Pac. Cst. and less car lot prices are ½c. higher ex whse. Pac Cst.

Sulphocarbolate, NF, bbls., dms..lb.	.24	.29
Zinc-ammonia chloride, dms., c.l., works..100 lbs.	5.65	—
l.c.l., works.....100 lbs.	6.70	—
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb.	.05½	—
l.c.l., dlvd., except Pac. cst..lb.	.05¾	—
ex whse., Pac. cst..lb.	.05¾	—
Zirconium nitrate, kgs., works.lb.	3.00	4.00
Oxide, crude, 70-75%, gr., bbls., works..ton.	75.00	100.00
white, 98%, grd., kgs., works, lb.	1.80	2.00

Synthetic Resins

and other

Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the August 4 issue, the next printing will be in the September 1 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials market which begins on page 39.

Woodfinishing Partners Deny F.T.C. Charges

The Reporter has received from James A. Ledwith and Morton E. Rosenthal, copartners in the Woodfinishing Products Company, this city, the following refutation of a report of F.T.C. charges published in last week's issue:—

Our attention has been called to the announcement in the September 15 issue of the Reporter that J. M. Thomas, and James A. Ledwith and Morton E. Rosenthal have been charged by the Federal Trade Commission with commercial bribery and unfair competition.

We are sorry indeed to have had so much publicity given to these charges since there is no basis in fact for the allegations the charges imply.

Not only does this denial apply to both partners, but it also applies equally well to our representative Mr. Thomas, in whom we have, and with good reason, the utmost confidence.

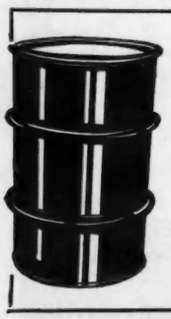
Our friends in the trade and industry will have no doubt Woodfinishing Products Company, after nearly twenty years in undeniable good standing, is above unfair business methods let alone so low a practice as bribery.

Woodfinishing Products Company never has and never will resort to unfair business practice. This policy has been an integral part of Woodfinishing Products Company since it was started nearly twenty years ago.

We ask the business world who may not know us well to suspend judgment until we have had an opportunity to appear before the Federal Trade Commission and prove our innocence which is a foregone conclusion.

Marvin Due Back in October

M. E. Marvin, president of Brazil Oiticica, Inc., this city, will return by plane early in October from an inspection tour of the company's plants in Brazil.



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Recondition

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Chrome Yellows
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Para Reds Iron Blues
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VITRO MFG. CO.
Pittsburgh, Pa.

Oil, Fats, and Waxes

Refined Cottonseed Oil Futures Irregular—Crude Firm—Sales of Tallow at a Further Rise—Grease Higher—Linseed Oil Advanced by Crushers—Soybeans Down

There were fewer advances in quotations on miscellaneous oils, fats and greases last week, but the prevailing tone remained firm and the price trend continued upward. Refined cottonseed oil futures displayed a reactionary tendency at times in company with some outside markets but offerings of many oils and fats remained decidedly light throughout the week. Business was quieter, consumers being disposed in some cases to hold off for further developments. In a survey of the oils and fats situation the Bureau of Agricultural Economics at Washington stated that disappearance of primary fats and oils was 19 percent greater in the first six months of this year than last. Part of the increase is believed to have been the result of inventory accumulation of finished goods by large distributors and consumers. The average price of cottonseed for the 1941 marketing season will be much higher than in recent years and may be the highest in about 20 years, according to the bureau.

Vegetable Oils

Castor, Dehydrated.—Output moving steadily into consuming channels on contracts and transient orders. Market firm.

Chinawood.—Firm at the recent advance. Supplies still limited to comparatively small lots. Inquiry good.

Washington, Sept. 19.—Radiogram from the American Consulate at Hankow to the Department of Commerce indicates chinawood oil was dormant during August. Hongkong was higher. Hankow had no arrivals or exports. Hongkong reported 51 long tons arrived for independent dealers whose stocks were practically nil. Stocks held by Chinese government representatives approximate 400 tons. Consular advices showed 622,680 pounds of oil were shipped to the United States during August.

Coconut.—Crude firm at unchanged quotations. Spot offerings scarce. Inquiry fairly active. Refined advanced ¼c. Copra firm; offerings small.

Corn.—Offerings light, crude and refined. Quotations nominal. Inquiry fairly active.

Cottonseed.—Edible oil fairly active. Prices remained firm.

Price Changes

Advanced

Capric acid, ¼c. per lb.
Coconut oil, refined, ¼c. per lb.
Grease, ½c. per lb.
Linseed oil, 2-10c. per lb.
Soybean oil fatty acid, 1c. per lb.
Tallow, ½c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
174.7	**174.6**	**165.0**	**95.2**

Market news that may have developed after this report was sent to press will be found on page 4.

Lard

Heavy purchases of lard by the government have had not a little to do with lifting prices to abnormally high levels. Considerable of this lard has been shipped abroad under provisions of the lease-lend law, but there has also been a rather liberal distribution in domestic relief channels. The upward trend of live hog prices and a sharp advance in many other fats have likewise been factors in the rising trend of lard.

Speculation in lard futures has not been without influence in lifting prices, but operations of this character have been checked to some extent recently by a sharp increase in margin requirements. Choice cash lard sold last week at $11.25 per 100 pounds, against $5.80 at the same time in 1940 and $8.40 in 1939. December futures in the Chicago market sold at $12.25, against $4.97 a year ago and $7.45 two years ago.

According to official statistics, production of lard in the United States during the first half of the current year was 757,640,000 pounds, against 889,186,000 pounds in the same time last year and 672,101,175 pounds in 1939. Factory consumption during the first half of the current year was 9,998,000 pounds, against 15,315,000 pounds in the first half of 1940 and 10,824,000 pounds in the same time in 1939. Stocks of lard in warehouses in the United States September 1 were 282,875,000 pounds, against 332,863,000 pounds a month earlier and 272,290,000 pounds in 1939.

Oiticica.—Inquiry good. Offerings light, spot and futures. Market firm.

Olive.—Denatured and edible oils in fair request. Offerings continued light. Foots fairly active. Tone firm.

Palm.—Firm at recent advance. Offerings light. Inquiry fair. Quotations generally nominal.

Perilla. — Supplies light. Market firm. Fair inquiry.

Rapeseed. — Increased inquiry for moderate lots. Market firm.

Soybean.—Trend of bean prices downward at times. Oil quotations generally maintained or advanced a fraction. Offerings light. Inquiry good.

There was no trading in soybean oil futures on the New York Produce Exchange, from September 13 to September 19, inclusive. Following is a price record for the week:—

	High.	Low.	Close.
	—Cents per pound in tanks—		
October	...	...	11.20 Nom.
December	...	...	11.20 Nom.

Markets at Other Centers

Chicago—Sept. 19

Business in most grades of vegetable oils remains good.

Coconut.—Refined, edible oil, 13¼c. to 13½c. per pound, drums, car lots; 13¾c. to 14c., drums, less than car lots.

Corn.—Crude, mills, 12½c. to 13c. per pound. Refined, edible oil, 14½c. to 14¾c., drums, car lots; 15c. to 15¼c., drums, less than car lots.

Soybean. — Crude, September-forward, 11c. to 11¼c. per pound.

The market for soybeans on the Chicago Board of Trade was weaker on liquidation. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing Sept. 19.	Sept. 12.
Cash, No. 2..	$1.92	$1.92	....	....
October	1.90	1.72	$1.72⅝	$1.90¼
December ...	1.91	1.72½	1.74¼	1.90½

San Francisco—Sept. 17

The stringency of supplies in most vegetable oils still confronts the trade and with rather limited offerings the market moved in a narrow channel generally.

Coconut.—Decided disposition to purchase everything available here at 6¾c. per pound in tankcars. Sellers today naming 6⅞c. Transactions covered a very fair volume. Shipping conditions apparently improved.

Chinawood.—Some transactions reported at 34c. per pound in tankcars, f.o.b. Pacific Coast ports. Offerings limited.

Oiticica.—Solid oil quoted at 22½c. per pound in drums; liquid at 23½c. f.o.b. San Francisco.

Babassu.—Market nominal at 9⅝c. per pound in tankcars, f.o.b. Pacific Coast mills.

Cottonseed.—Firm. Crude California oil 12c. per pound in tankcars, f.o.b. northern California mills.

Palm, Crude.—Nominal at 6⅞c. per pound in tankcars, f.o.b. Pacific Coast ports.

Palm Kernel.—Nominal at 7⅝c. per pound in tankcars, f.o.b. Pacific Coast ports.

Castor, Crude.—Quoted at 11c. per pound in tankcars, f.o.b. Los Angeles.

Rapeseed.—Steady. Argentine oil, denatured and refined quoted at 10¼c. per pound in tankcars, f.o.b. Pacific Coast ports.

Walnut, Crude.—Nominal at 10¾c. to 11c. per pound in tankcars.

Linseed Oil

Flaxseed prices irregular. Linseed oil advanced. Meal steady.

Flaxseed.—Duluth, Sept. 19.—Buying of flaxseed was based on the lightness of offerings and the activity and strength of linseed oil. Prolonged wet weather checked marketing.

The week's closing flaxseed price range was as follows:—

	Cash.	Sept.
Saturday	$2.06	$2.06
Monday	2.07	2.08
Tuesday	2.06	2.06
Wednesday	2.06¾	2.05¾
Thursday	2.07⅛	2.06⅛
Friday	1.97½	1.96½

Crop movement in bushels follows:—

	—Receipts— 1941.	1940.	—Shipments— 1941.	1940.
This week	384,860	671,690	178,125	93,863
Since Aug.	1.3,176,656	4,040,622	178,125	957,169

Minneapolis, Sept. 19.—Demand for dry flaxseed is strong and premium for that type continue strong. In fact, good dry qualitiy from southern areas advanced a cent a pound with futures, while the higher moisture quality coming from northern areas faded as much.

Rain damage north of Minneapolis has been quite severe and harvesting operations were lax up to the end of the past week owing to the excess of moisture. Crushers are quite discouraged over the ending of what promised to be a very

Current prices on animal, vegetable, and fish oils (under Oil), fats and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

STEARIC ACID
Single Pressed and Double Pressed
Available in either cake or flake form
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)
RUBY OLEINE BRAND (*distilled*)
STAR BRAND (*saponified*)
CANARY BRAND
(*very pale yellow, especially suitable for best types of dry cleaners' soaps.*)
PROCTER & GAMBLE
MAIN OFFICES
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(RED OIL)
A. GROSS & CO., 295 Madison Avenue, New York, N. Y.
ESTABLISHED 1837 FACTORY: NEWARK, N. J.
ASHLAND 4-8251 CABLE: GROSSRAY

CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
SPOT Woolworth Building New York, N. Y. FUTURE

TALLOW
LARD OIL
NEATSFOOT OIL
ANIMAL STEARINE
ACIDLESS TALLOW OIL
INDEPENDENT MFG. CO.
Bridesburg P. O. Philadelphia, Pa.

W. C. HARDESTY CO., Inc.
41 East 42nd Street New York
RED OIL STEARIC ACID
Saponified - Distilled
HYDROGENATED FATTY ACIDS (HYDREX)
Cottonseed Oil Fatty Acids Coconut Oil Fatty Acids
Palm Oil Fatty Acids Corn Oil Fatty Acids
Lauric Acid Specialty Fatty Acids
Glycerine - Pitch - White Oleine
FACTORIES: Dover, Ohio - Los Angeles, Calif. - Toronto, Canada
CALIFORNIA OFFICE: 5636 East 61st Street, Los Angeles
Cable Address: "EPILOGUE"

good season insofar as flax production is concerned.

Trade in futures is fairly good. Crushers are buying on moderate setbacks, and speculative interest of late has been the strongest influence in the making of prices. Country hedging pressure is very moderate, and recovery of hedges has taken care of most of the pressure. Crushers have been hedging oil sales in the cash market as far as possible because of the lack of hedging pressure from shippers.

The week's closing flaxseed price range was as follows:—

	Cash.	Oct.	Dec.
Saturday	$2.08	$2.10	$2.15
Monday	2.10	2.12	2.16¼
Tuesday	2.08	2.10	2.14⅜
Wednesday	2.07⅞	2.09½	2.14¼
Thursday	2.04⅜	2.02⅜	2.10⅝
Friday	1.98½	1.96⅛	2.00

Crop movement in bushels follows:—

	Receipts—		Shipments—	
	1941.	1940.	1941.	1940.
This week	623,000	1,406,800	44,800	39,200
Since Sept. 1	2,847,600	4,977,000	354,000	175,700

Winnipeg, Sept. 19.—The week's closing flaxseed price range was as follows:—

	Cash.	Oct.	Dec.
Saturday	$1.59	$1.59	$1.59⅝
Monday	1.61½	1.61½	1.60⅝
Tuesday	1.60½	1.60½	1.59
Wednesday	1.60½	1.60½	1.59⅝
Thursday	1.61½	1.61	1.60
Friday	1.56⅝	1.56⅝	1.54½

Buenos Aires, Sept. 19.—Flaxseed, October, 75⅜c. per bushel. Exports this week 1,059,000 bushels, including 929,000 to the United States. Total since January 1, as follows:—

To—	Bushels— This year.	Last year.
United States	14,728,000	8,782,000
United Kingdom	1,058,000	5,837,000
Continent	827,000	11,856,000
Orders	.....	606,000
Others	1,218,000	1,042,000
Totals	17,831,000	28,123,000

Visible Supply

	Bushels.
Last week	20,472,000
Previous week	20,472,000
Last year	5,118,000

Linseed Oil.—Quotations were advanced two points by crushers and the market appeared to be firm at the rise. Trade was generally described as quiet though reports were current to the effect that some business was closed prior to the advance. The movement to consumers on contracts continued liberal. Weather conditions were generally favorable for painting operations and consumption, in the opinion of some, is running ahead of this period last season with the indications pointing to a considerable increase in consumption for the year as compared with the previous season. Advices from outside points reported a heavy movement to consumers on contracts. An official estimate of the flaxseed crop in Canada was 7,382,000 bushels against 3,189,000 bushels last season. Unfavorable reports continued to be received concerning the quality of much of the seed arriving in Northwestern markets as a result of prolonged rains.

Minneapolis, Sept. 19.—There is plenty of demand for linseed oil shipment up to the end of the present year and virtually no offers. Crushers sold themselves into a hole and are doing the best they can to extricate themselves. Demand and prompt shipping instructions far exceed the ideas of the crushing trade and the prevailing situation is hectic. Buyers want extra quantities for nearby and close delivery and no matter what the spirit of the crushers they are unable to do anything but sell themselves in further difficulties if they listen to the importunities of the buying trade.

Quotations on carload lots f.o.b. Minneapolis, tankcar lots, 10.4c. per pound, cooperage car lots 11.3c. per pound, warehouse lots 11.7c. per pound.

Shipments of oil in pounds were as follows:—

	1941.	1940.
This week	5,100,000	4,250,000
Since Sept. 1	15,000,000	11,900,000

San Francisco, Sept. 17.—Practically every paint manufacturer without exception was in the market for linseed oil supplies that in some cases were contracted through June of next year. Contracts through March were common. Card quotation today: Tankcars, 10.2c. per pound; drum lots ex-mill, 11.1c.; drum lots ex-warehouse, 11.5c. The flax market here was considerably stronger. Large Argentine imports are arriving and are on the way, with California's 3,168,000 bushel crop inadequate for Coast crushing needs.

Chicago, Sept. 19.—Linseed oil is fairly active. Tanks, 10.4c. per pound; drums, car lots, 11.3c.; drums, less than car lots, 11.7c.

Cake and Meal.—A steady tone prevailed here. The movement showed some increase.

Minneapolis, Sept. 19.—There is virtually no linseed meal for sale that is wanted for shipment this year. Most of the crushers have sold their prospective output for 1941 and running at top speed are unable to overtake their shipping instructions on maturing contracts. Demand for shipment after the turn of the year is strong.

Quotations on carload lots f.o.b. Minneapolis, 100 pound sacks, $40.50 to $41 per ton.

Shipments of meal in pounds were as follows:—

	1941.	1940.
This week	10,800,000	8,000,000
Since Sept. 1	33,770,000	18,840,000

Chicago, Sept. 19.—Demand for linseed meal is good. Round lots, $37 to $38 per ton, nominal; car lots, $38; less than car lots, $39 to $40.

Cottonseed Oil

Refined cottonseed oil futures irregular. Trading quiet. Southern markets steady or firm.

Cottonseed Oil.—Refined cottonseed oil futures were irregular in the local market although sentiment among not a few still appeared to be bullish. Lard and grain also showed irregularity. The trend of soybeans continued downward. On the other hand cotton crop news was mainly bullish, crude oil remained at high levels and the general market for oils and fats continued firm. The weakness in soybeans was apparently due in part at least to an announcement of an official investigation of the course of the market in recent weeks.

The movement of seed was larger in parts of the South and moderately lower prices were quoted for seed. Soybean oil remained firm despite weakness in beans. Refined coconut oil was higher. Some increase was reported in demand for cash refined cottonseed oil. Sales of tallow were

DISTILLED
FATTY ACIDS
Tallow Fatty Acids
Cocoanut Fatty Acids
Cottonseed Fatty Acids
HYDROGENATED FATTY ACIDS
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STEARIC ACID
RED OIL
(Oleic Acid)
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ZINC, U. S. P. MAGNESIUM STEARATES ALUMINUM, Mono-, Di-, Tri-, Stearate CALCIUM
Uniform Quality, for All Uses
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THE BRODE CORPORATION
MEMPHIS, TENNESSEE
Domestic and Export
PRODUCTS OF COTTONSEED, PEANUTS and SOY BEANS
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To obtain a superb alkyd, colorless and color retentive to an unusual degree, use Woburn Isoline Fatty Acid. No other material produces an alkyd of equivalent color retention and durability.
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Warehouse Stocks at CHICAGO — CLEVELAND — LOS ANGELES — OAKLAND, CALIF. — SAN FRANCISCO — SEATTLE

reported at a further advance, transactions for the week being reported as rather liberal.

Receipts of hogs in Western markets were generally moderate. The weight of the hogs received in Chicago during the week ended September 13 averaged 235 pounds against 237 pounds in the previous week. Stocks of lard in Chicago decreased 17,026,706 pounds during the first half of September against a decrease of 7,506,646 pounds in the same time last year. Supplies in that market September 15 were 164,603,516 pounds against 173,946,447 pounds last year.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from September 13 to September 19, inclusive, comprised 582 contracts. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
January	13.98	13.53	13.59 sale
March	14.08	13.64	13.66 sale
May	14.05	13.70	13.70@13.73
October	13.95	13.69	13.68@13.71
December	13.98	13.57	13.60 sale

Crude, Southeast, 12½c. Nom.

Chicago, Sept. 19.—The cottonseed oil market is fairly active. Refined, edible oil, 14¼c. to 14½c. per pound, drums, car lots; and 14¾c. to 15c., drums, less than car lots.

Cake and Meal.—Southern markets for meal were generally firm so far as spot material was concerned. Trade more active.

Markets at Other Centers

Atlanta—Sept. 17

Prime crude cottonseed oil is quoted in the Southeast at 12½ cents per pound. Meal, 8 percent, has eased off somewhat after a sensational advance and is now $43.50 to $44 per ton at Southeastern points. Cotton picking is progressing under favorable weather but yields are proving disappointing.

Memphis—Sept. 18

Crude cottonseed oil sold this week at 12⅜c. per pound, Valley basis. That price bid today. Mills inclined to sell against seed as received. Meal, 41 percent, $41 per ton, Memphis basis. Bulk cake $37.50 per ton, Valley basis, September-October shipment. Bulk hulls $7 per ton; sacked $10, mill points. Weather fair and warm. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	Sept. 11.	Sept. 18.
October	$43.50@44.00	$41.25@—
December	44.00@—	41.35@41.75
January	44.10@—	40.00@40.75
March	44.50@44.75	40.30@40.60

Closing soybean meal futures:—

October	$40.00@—	$38.25@—
December	40.00@—	37.35@—
January	40.00@—	37.25@—
March	40.00@—	37.25@37.75

Fatty Acids

Capric Acid.—Active and firm. Output well absorbed. Quotations up ¼c.

Castor Oil.—Steady movement to local and outside consumers. Tone firm.

Coconut Oil.—Firm with raw material. Business fairly active.

Myristic Acid.—Quotations maintained. Tone firm. Demand good.

Red Oil.—Firm at recent advance. Raw material higher. Oil demand steady.

Soybean Oil.—Demand stimulated by recent developments in raw material. Quotations advanced one cent.

Stearic Acid.—Further advance in raw material. Steady movement of acid on contracts.

Chicago—Sept. 19

The fatty acids market is fairly active. Corn oil, double distilled, 14¼c. to 14½c. per pound, tankcar; 14¾c. to 15c., drums, car lots; 15¼c. to 15½c., drums, less than car lots, coconut oil, acidulated, 15¾c. to 16c. per pound, tankcar; 16¼c. to 16½c., drums, car lots; 16¾c. to 17c., drums, less than car lots; cottonseed oil, double distilled, 13½c. to 13¾c. per pound, tankcar; 14c. to 14¼c., drums, car lots; 14½c., drums, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3⅜c. to 3½c.; boiled down soap stock, 65 percent basis, 4⅜c. to 4½c.; cottonseed foots, 50 percent basis, 3½c. to 3¾c.

Fish Oils

Cod.—Quiet in absence of any change in primary situation. Local prices firm.

Sardine.—Firm at recent advance. Demand generally limited to small lots.

Shark.—Fair inquiry. Local supplies light. Market steady.

Sperm.—Steady movement on contracts and transient orders. Tone firm.

Markets at Other Centers

Baltimore—Sept. 17

Crude menhaden oil quiet. Last sales at 58½c. per gallon in tankcars, Baltimore basis. Buyers seem willing to pay 55c., but sellers not inclined to go below 57½c. Fishing has been rather good recently but production of oil not up to last season at this time.

San Francisco—Sept. 17

Sales of a few tankcars crude California sardine oil at 62c. per gallon. In southern California, where the season doesn't start until October 1, producers were holding out for 70c. per gallon today in some cases, with last reported sales there at 65c. Oil appeared to be still available in certain northern California quarters however at 60 cents. Production in both the Monterey and San Francisco Bay districts is excellent, with large catches coming in. The trade expects a very good season.

Fats and Greases

Grease.—Increased inquiry. Sales at ½c. advance.

Chicago, Sept. 19.—Chaice white grease, 8¼c. to 8½c. per pound; yellow, 7⅝c. to 7⅞c.

Lard.—Local cash trade fairly active. Price changes moderate. During the week ended September 16 the government purchased 1,572,000 pounds lard.

Chicago, Sept. 19.—Following is a lard price record, per 100 lbs., for the week:—

			Closing	
	High.	Low.	Sept. 19.	Sept. 12.
Cash	$10.85	$10.55	$10.55	$10.87
October	10.90	10.55	10.55	10.90
December	11.37	10.82	10.96	11.30

Stearin.—Local trade fair. Stocks light or moderate. Tone firm.

Chicago, Sept. 19.—Prime oleo stearin 9c. to 9¼c. per pound.

Tallow.—Sales at 9c. per pound for extra, an advance of ½c. as compared with previous week. Offerings light on rise.

Chicago, Sept. 19.—Inedible tallow, prime, 8⅜c. to 8⅝c. per pound; special, 7¾c. to 8c.

Animal Oils

Degras.—Demand good, common and neutral. Spot stocks apparently light. Tone firm.

Lard.—Firm at recent advance. Increased request for moderate lots.

Chicago, Sept. 19.—No. 1 lard oil, 11¾c. to 12c. per pound.

Neatsfoot.—All grades in demand. Raw material firm. Oil prices maintained.

Oleo.—Local trade on fair scale. Market steady.

Chicago, Sept. 19.—Extra oleo oil, 10c. to 10½c. per pound.

Tallow.—Firm with raw material. Business fair.

Chicago, Sept. 19.—Acidless tallow oil 11½c. to 11¾c. per pound.

Waxes

Bees.—Very strong market maintained. Demand excellent. Entire price tendency upward on refined yellow and white bleached waxes.

Candelilla.—Little spot surplus. Sellers highly reserved. Prices strong with upward tendency.

Carnauba.—Strength maintained in Brazil. Spot firm. Demand very good. Sellers show some reserve. Demand expected to rise with expansion of any defense activities.

Japan.—Substitutes finding a market. High prices choking demand. Stocks not plentiful.

E. A. BROMUMD COMPANY
—o—
Beeswax
Carnauba Wax
Ceresine Wax
Ozokerite Wax
—o—
258 BROADWAY, NEW YORK CITY
BArclay 7-8445 Est. 1880

Kendall Refining Company purchased the Foster Brook plant of the Bradford Oil Refining Company, Bradford, Pa., at auction for $305,500.

Cottonseed Crushings Up

Cottonseed received at mills, crushed and held, and cottonseed products manufactured, shipped out and held from August 1 to August 31, 1941, and 1940, according to the Census Bureau, were as follows:—

Cottonseed

	Tons	
	1941.	1940.
Receipts	105,489	127,283
Crushed	107,498	79,580
On hand, Aug. 31	129,387	87,210

Crude Oil

	Pounds	
	1941.	1940.
Produced	33,779,000	24,133,000
Shipped	27,655 000	20,277,000
On hand, Aug. 31	32,107,000	24,727,000

Refined Oil

	Pounds	
	1941.	1940.
Produced	32,828,000	34,206,000
Shipped	.....	.....
On hand, Aug. 31	234,242.000	410,843,000

Cake and Meal

	Tons	
	1941.	1940.
Produced	46,186	37,206
Shipped	80,534	58,638
On hand, Aug. 31	131,618	58,069

Hulls

	Tons	
	1941.	1940.
Produced	27,723	19,835
Shipped	46,556	21,880
On hand, Aug. 31	132,713	18,869

Linters

	Bales	
	1941	1940.
Produced	90,226	18,613
Shipped	83,162	60,927
On hand, Aug. 31	71,485	87,026

Carnauba Crop Estimate Shows Gain for 1941

Preliminary estimates of the new carnauba wax crop in Brazil show a substantial increase over 1940, the Department of Commerce announced today on the basis of a report from the American Consulate at Fortaleza, Brazil. According to the report, approximately 5,000 tons of wax will be produced in the State of Ceara as compared with a total output of 3,452 tons in 1940.

Because of low stocks, the Brazilian government authorized producers to start cutting the leaves earlier this year, which will make the new wax crop aavilable in September. Exporters of the wax in Brazil are reported anxious to see prices go down to normal, because they must take higher risks and are not making an extra margin of profit. Prices quoted by the consulate are from 2c. to 3c. below those received by importers here.

The United States is practically the only market now for the wax, and with a bigger crop this year, greater quantities should be available.

Shellac Importers Ass'n Holds Fall Outing

The United States Shellac Importers Association held its Fall golf outing and dinner at the Wheatley Hills Golf Club, East Williston, L. I., September 18. M. A. Rosen, of the Mantrose Corporation, president of the association, introduced Louis Gillespie, of the Gillespie-Rogers-Pyatt Company, who distributed prizes, to the golf winners.

Firsts in the several foursomes went to J. T. Gillespie, of Gillespie-Rogers-Pyatt Company; J. J. Rutherford, of Bradshaw, Praeger & Co.; A. Ehrlich, of Berry Bros.; C. F. O'Malley and J. W. Byrnes, jr., both of the Mac-Lac Company.

Second prizes went to Arthur Kiernan, of Berry Bros.; L. Schuster, of Dings & Schuster; P. N. Rowe; J. E. Ferris, of Niagara Alkali Company, and C. E. Bingham. Third prizes went to R. E. Dings; J. J. Budelman, of Gillespie-Rogers-Pyatt Company; A. E. Jacobs, of Dings & Schuster; and D. E. McClintock, of the Mac-Lac Company. Fourths went to M. A. Rosen, Louis Gillespie and A. F. Lerden, of Alfred Kramer & Co.

Putting contest prizes went in the following order:—Burr Price, of the Schnell Publishing Company; Edward Huth, jr., Isbrandtsen-Moller Company; R. Y. Bradshaw and H. M. Simon.

Others present at the dinner were R. W. McClintock and James W. Byrnes, of the Mac-Lac Company; H. K. McCahill, of the Haeuser Shellac Company; George H. Dockstader; John A. Stoner, B. H. Knight, W. Franklin Anderson, Raleigh Bros.; Joseph D. Handzo, of the Isthmian Steamship Company; and George E. Ashby, secretary of the association.

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No. 908 SPECIAL LACQUER COMPATIBLE FRENCH VARNISH
Dewaxed and processed to give a low viscosity, highly compatible French Varnish for Lacquer Formulations.
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Free from Wax
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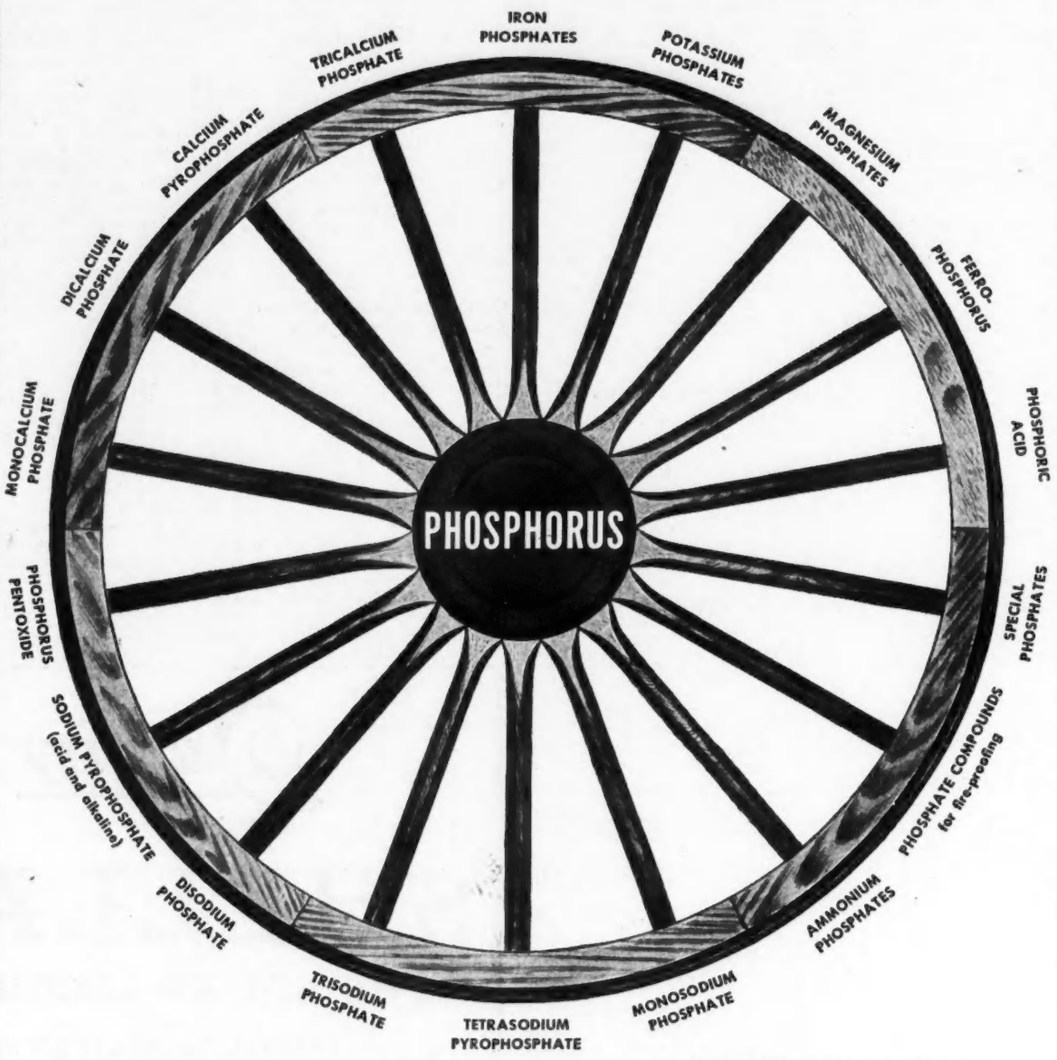
136-146 41st Street : Brooklyn, N.Y.

THE HUB IS PHOSPHORUS



As the nation's largest producer of elemental phosphorus—from which its phosphoric acid, phosphorus compounds and phosphates are manufactured—Monsanto has naturally devoted much of its research to the study of this, one of nature's most useful and versatile gifts to mankind.

You will find Monsanto keenly interested in any of your processing problems which might be solved by one of the Monsanto phosphorus products. Samples are available for your experimentation and Monsanto's experienced Technical Service Department is at your service. MONSANTO CHEMICAL COMPANY, Phosphate Division, St. Louis, U. S. A. District Offices: New York, Chicago, Boston, Detroit, Charlotte, Birmingham, Los Angeles, San Francisco, Montreal.

LET'S GO! U.S.A. KEEP 'EM FLYING!

WHAT ABOUT "THE HUB"?

Phosphate rock from extensive Monsanto-owned properties is reduced in large electrical furnaces at Monsanto, Tennessee, to elemental phosphorus which exceeds 99.9% in purity. The purity of this "hub" makes available to industry exceptionally high-grade phosphoric acid, phosphorus compounds and phosphates.

MONSANTO CHEMICALS
SERVING INDUSTRY . . . WHICH SERVES MANKIND

Drugs, Fine Chemicals

OPA Ceiling on Denatured Alcohol Allows Room for Rise in Container Costs—Synthetic Methanol Reduced—Domestic Synthetic Camphor Advanced — Menthol Off

The Office of Price Administration, in setting a ceiling on ethyl alcohol, and the two-cent reduction of prices on synthetic methanol in tanks, became features outstanding in the market for drugs and fine chemicals last week. There were higher quotations noted on whole milk powder, and lower ones on menthol. Silver gelatin was up sharply and very strong. Sugar of milk was scarcely less so. Domestic synthetic camphor advanced.

The ethyl alcohol ceiling was based on SD2B, basic formula, and was 24½c. per gallon in tanks at the works. The OPA order also established maximum prices on formulas CDA, CD12, CD13, CD14, SDL, SD3A, SD12A, SD23G, SD23H, proprietary solvent. OPA container differentials are 1c. wider than prevailing trade practice, this to allow for changes in container cost, presumably. Complete exposition of the schedule will be found elsewhere.

The situation in methanol is drawing close to a head. To a late hour last week, no ceiling had been set by OPA but one was in the making and advanced information was that on natural methanol it would be 60c. per gallon. The advanced "dope" said nothing about synthetic methanol, the price of which was voluntarily reduced to an all time low by the makers last week.

No official action regarding prices on other solvents was taken last week by OPA. Some producers advanced some materials ½c. to 1c. per pound but many others failed to follow the leaders.

Acid, Acetic.—Price ceiling expected momentarily said to be 7½c. on glacial. The natural 99½ percent in tanks is held for 10c. per pound now.

Acid, Boric.—Priority lifted. Deliveries improve.

Acid, Nicotinic. Demand pulling hard of supplies. Needs running to high volume.

Price Changes

Advanced

Alcohol, SDI, ½c. per gal.
Camphor, synthetic, domestic, 3c. per lb.
Gelatin, silvel label, 10c. per lb.
Milk powder, whole milk, 1¼c. per lb.

Reduced

Menthol, 25c. per lb.
Methanol, synthetic, tanks, 2c. per gal.
drums, 1c. per gal.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
222.1	222.9	222.2	204.1

Market news that may have developed after this report was sent to press will be found on page 4.

Methanol

"Upon what meat doth this, our Caesar, feed, that he is grown so great?" For synthetic methanol, Caesar of the methanol industry, has fed well and waxed great since born in 1927. It had grown to a production of 44,900,000 gallons in 1940, a gain of 10,700,000 gallons over 1939. And the output in six months of 1941 suggests a total production of over 50,000,000 gallons this year.

"Caesar's" diet was a huge demand for methanol to make formaldehyde, and to winterproof gasoline engines. And now OPM orders give defense needs complete right-of-way over nonessential uses of methanol and its derivatives. In growing strong, synthetic methanol brought natural methanol production down from 8,000,000 gallons in 1926 to 5,300,000 gallons in 1940, which is 2,700,000 gallons under 1926 output.

The industry began life at 68c. per gallon in 1927 when natural methanol sold at 82c. Synthetic methanol today is priced at 28c. per gallon while group B producers quote natural methanol at 40c. and group A quote 75c.

Under competition from synthetic methanol, the formerly large natural methanol industry has not only shrunk to a shadow of its former self but has been split in twain.

Methanol has no price ceiling but one is due and is expected to be 60c. per pound on natural material. World War I ceiling was 97½c. It is under full priority control by OPM. Although the tail is wagging the dog, formaldehyde, leading chemical derivative from methanol, already has a price ceiling of 4¼c. to 9½c. per pound by benefit of the Office of Price Administration.

Acid, Tannic.—Sellers greatly reserved. Output pushed hard by highly active demand.

Alcohol.—On and after September 15, 1941, regardless of the terms of any contract or sale or purchase, or other commitment, no manufacturer shall sell, offer to sell, deliver or transfer ethyl alcohol in quantities of 500 gallons or more when packaged in containers of 50 gallons or more, and no person shall buy, offer to buy, or accept deliveries of ethyl alcohol in quantities of 500 gallons or more when so packaged, from any manufacturer, at prices higher than the maximum prices set forth.

The following maximum prices are established for ethyl alcohol (188-190 proof unless otherwise indicated) of the formulas listed below:—

A. Tank cars in Eastern territory:—

CD12, .325 per gallon, f.o.b. shipping point.

CD13, .325 per gallon, f.o.b. shipping point.

CD14, .325 per gallon, f.o.b. shipping point.

SDI, .275 per gallon at works.
SD2B, .245 per gallon at works.
SD3A, .275 per gallon at works.
SD12A, .255 per gallon at works.
SD23A, .275 per gallon at works.
SD23G, .305 per gallon at works.
SD23H, .280 per gallon at works.

Proprietary, name CDA, .325 per gallon, f.o.b. shipping point.

Name solvent, M, .285 per gallon at works.

B. To determine the price for quantities of less than tank cars, the following differentials may be added to the maximum tank car prices set forth in paragraph A above:

Drums CL, .07, containers included.
19 drums, L. C. L. .09½ containers included.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

DCAT Meeting, Skytop, Pa., Oct. 23-25.

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KESSCO PRODUCTS

Pure and self-emulsifying Mono, Di and Tri substituted Glycerine and Glycol Esters

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Stearic, Capric, Lauric, Myristic, Oleic, Palmitic, Ricinoleic, Soybean and Linseed Fatty Acids

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KESSCOWAX AC
(Acid Emulsifier)

CYCLOFORM
(*A Base for Sun Tan Preparations*)

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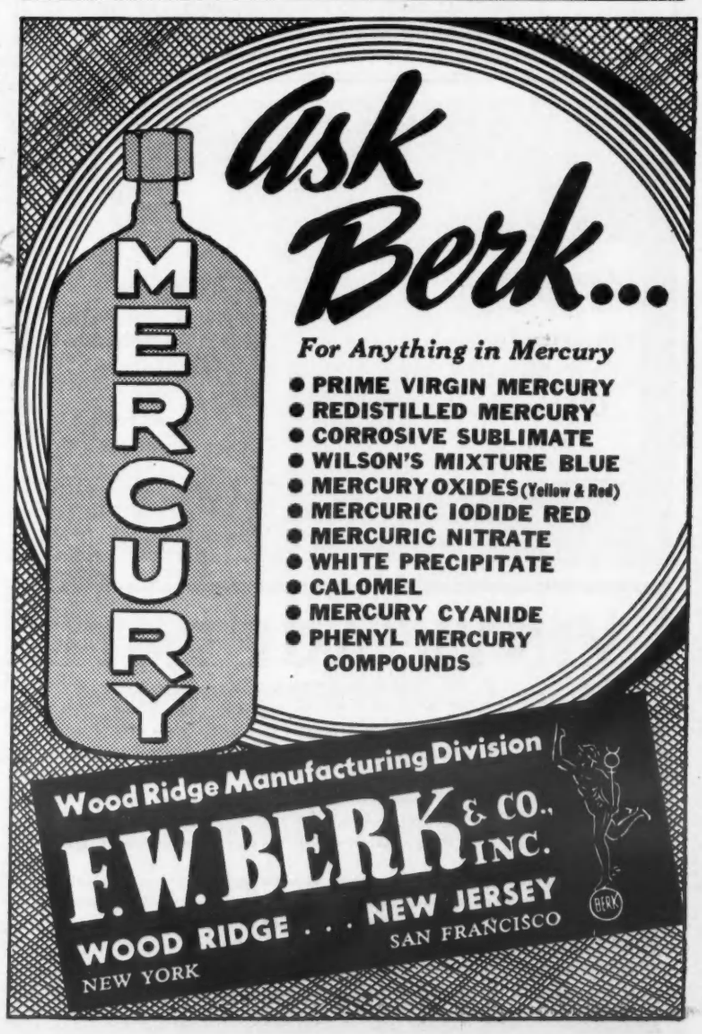

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VINYL ACETATE
(STABILIZED)
Boiling Range:— 71.8° C. to 73° C.
Containers:— Non-returnable 55-gal. drums, 410 lbs. net weight.
Uses:— Preparation of poly-vinyl acetate, alcohol, and acetal resins.
Preparation of sulfa-type pharmaceuticals.
The vinyl group is very reactive in all halogen and halogen acid reactions, and addition reactions with other unsaturated or polymerizable materials as ethylene, amylene, courmarone, and turpentine.
NIACET CHEMICALS CORPORATION 4703 PINE AVE., NIAGARA FALLS, NEW YORK

1-8 drums, .12½ containers included.

Barrels, C. L., .11 containers included.

19 barrels, .13 containers included.

1-18 barrels, .16 containers included.

C. To determine the maximum prices in the Pacific territory, 4c. per gallon may be added to the maximum prices established in paragraph A or B above, as the case may be.

D. To determine the price of anhydrous ethyl alcohol (200 proof), 3c. per gallon may be added to maximum prices established in paragraphs A, B or C above, as the case may be.

E. For purposes of this schedule the term "Eastern" territory shall be deemed to include all the States east of and including New Mexico, Colorado, Wyomnig and Montana, and the term "Western" territory shall be deemed to include all other States of the United States.

Prices on most formulas quoted in the REPORTER were frozen at levels prevailing over the past quarter. In the case of SDI, however, it was raised ½c. and made tanks minimum at 27½c. per pound, works.

Bismuth Metal and Salts.—Firm. Lacking price change. Good demand.

Borax.—Priority control lifted. Deliveries show improvement.

Butyl Acetate.—Raised 1c. in some quarters. Held unchanged in others.

Butyl Alcohol.—Some raised prices 1c. Others held unchanged.

Butyl Aldehyde.—Apparently very firm. In good request.

Cadmium.—Vountary agreement to hold metal prices at current levels working out well. Stabilization sought by government being attained.

Caffeine. — Anti-trust investigation concerning this article afoot. Some twenty subpoenas issued.

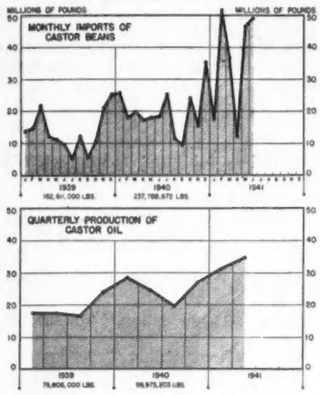
Camphor.—Prices on synthetic material advanced 3c. Powder or granular, ton lots, now 63c. per pound; 1,000 pound lots, 64c.; smaller lots, 65c.; tablets, ton lots, 76c.; 1,000 pound lots, 77c.; smaller lots, 78c. Natural strong at $1.10 to $1.15 per pound for powder or slabs; tablets, $1.20.

Codliver Oil.—Strong market. Stocks closely held. Not much more to come to this country in near future.

Castor Oil.—Beans tend firmer to stronger. Oil well held. Excellent demand.

Chicago, Sept. 17.—Castor oil prices are strong. Cold pressed, U.S.P., returnable drums, car lots, 12½c. per pound; drums, less than car lots, 13¼c.; tanks, 11⅝c.; No. 3, extracted, returnable drums, car lots, 12¼c. per pound; drums, less than car lots, 13c.; tanks, 11⅜c.

U.S. IMPORTS OF CASTOR BEANS AND PRODUCTION OF CASTOR OIL



Cream of Tartar.—Production costs no lower, nor likely to be. Strong market. Resale prices holding around 56c. per pound.

Diacetone Alcohol.—Leading sellers hold unchanged prices. Some advanced as much as 1c. per pound.

Ethyl Acetate.—Some have advanced prices 1c. per pound. Others hold values unchanged. Strong item.

Fish Liver Oils.—In week ended September 16, Department of Agriculture purchases totaled 764,800 million units of vitamin A oil. All markets show marked strength.

San Francisco, Sept. 17.—Almost any description of this market would tend to give a somewhat erroneous impression of actual conditions, especially if prices were quoted. Normally a highly sensitive affair, it can be said with certainty that the present state of trade relations in vitamin materials is based on practically an hour-to-hour basis, with different quotations heard, depending upon who is buying and who is selling. No uniformity at all exists in price set-ups. The shark season is subnormal and the tuna liver shortage is acute.

Prices, strictly nominal, and largely based on sellers' ideas, are:—

Soupfin Shark Liver Oil, Crude.—High potencies, 100,000 to 150,000 U.S.P. units vitamin A per gram, 18c. per million units. 75,000 to 90,000 units, 13c.; 50,000 units, 12c.; 25,000 units, 11c.; lower potencies, upwards of 10,000 units, 10½c.

Tuna Liver Oil, Crude.—Ranging in potency, 20,000 U.S.P. units vitamin D per gram, 75c. per million units.

Formaldehyde.—Raw material dropped 2c. per pound to 28c. early last week. No methanol ceiling yet. One expected soon. Natural methanol reported scheduled for 60c. per gallon.

Gelatin.—Silver label now minimum at 80c. to $1 per pound and very strong under high demand and moderate supply.

Glycerin.—Considerable excitement stirred up by report of probable dumping of 400 tons Argentina crude to break prices here. Prices on

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crude still far out of line with quotations of leading refiners. Only refiner fully reflects soaplye at 18c. per pound; asks 25c. per pound for refined, drums, l.c.l.

Chicago, Sept. 17.—Glycerin market strong. Prices for both chemically pure and high gravity:—Tanks, 19¼c. per pound; drums, ca- lots, 19½c.; drums, less than car lots, 20c.

Magnesia.—Firm in price. Selling well in all zones. Substantially strong in most ways.

Menthol.—Lack of sustaining demand weakens spot market. Forward position totally without improvement. Spot named at $6.75 to $7 per pound.

Mercurials. — Holding firm while awating the lower prices that some expect the Office of Price Administration eventually to establish. OPA recently warned that $192 per flask was unwarranted but spot has yet to dip definitely under that position.

Methanol.—A voluntary 2c. per gallon decline in tank car prices sets synthetic down to 28c. per gallon, zone 1; zone 2, 30c.; zone 3, 32c.; zone 4, 32½c. Drum prices down 1c. Car lots, zone 1, 34½c.; zone 2, 36½c.; zone 3, 37½c.; zone 4, 40½c.

Methyl Acetone.—Price ceiling expected. Natural item very firm.

Milk Powder.—Purchases of Department of Agriculture, week ended September 16, totaled 240,000 pounds spray and 671,000 pounds roller skimmed milk powder. Spot quotations on whole milk spray powder, car lots, 27¼c. per pound; roller, 27¼c.

Paraformaldehyde. — Price ceiling may develop. Very little material available at any price.

Quicksilver.—Spot market has yet to dip under $192 per flask. Not much metal here. Sales on Pacific Coast around $190 reported. Possibly less for futures. Action by Office of Price Administration not unlikely. OPA watching Coast market closely.

SAN FRANCISCO, Sept. 17.—No official price ceiling on quicksilver, as yet Trade has practically fixed $190 as a uniform trading basis here on f.o.b. San Francisco deliveries. This is only price heard, spot or future. Rather large transactions of government - released metal took place some 10 days ago at $190. Practically everything to be manufactured during September and October is sold.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce and quantities of 500 ounces at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	24	34⅝	23½
Monday	24	34⅝	23½
Tuesday	24	34⅝	23½
Wednesday	24	34⅝	23½
Thursday	24	34⅝	23½
Friday	24	34⅝	23½

Santonin.—No surplus of supply likely next Spring. However, Russia may get some through under the lease-lend arrangement involving exchange of needed goods.

Seidlitz Mixture.—No relaxation of current strength. Raw material as tough and hard to get as ever.

LoBue Named to Post By Michigan Chemical

—Continued from page 5

and Columbia University. He started his business career in 1917 with the Powers-Weightman-Rosengarten Company, which was merged with Merck & Co. in 1927. Mr. LoBue continued with the Merck organization until 1929, when he joined the J. T. Baker Chemical Company, Phillipsburg, N. J., and which company appointed him manager of its N. Y. office two years later. He held that post until 1937, when he resigned and joined Joseph Turner & Co., Ridgefield, N. J., and from which firm he severed his connections September 15. Mr. LoBue is chairman of the entertainment committee of the Salesmen's Association of the American Chemical Industry.

Ethyl Alcohol Price Ceiling Set

—Continued from page 3

ber 10, with OPA sworn statements that all such sales during the preceding calendar month were made in compliance with the schedule. Maximum prices are computed on the basis of tankcar lots in Eastern territory and premiums are stipulated for smaller quantities. The addition of 4 cents a gallon is permitted in computing prices in Pacific territory.

While the price schedule does not extend to quantities of less than 500 gallons and does not formally apply to jobbers, dealers and other middlemen, Mr. Henderson stated, OPA will keep a careful watch over all such transactions. Producers and sellers are requested not to alter or amend to the disadvantage of their customers any of the prices, discounts, terms of trade, which prevailed during the third quarter of 1941.

Maximum Prices

The following maximum prices are established for ethyl alcohol (188-190 proof unless otherwise indicated) of the formulas listed below:—

a. Tankcars in Eastern territory:—

F.o.b. Shipping Point	Per gal.
CD12	.325
CD13	.325
CD14	.325
At Works	
SD1	.275
SD2B	.245
SD3A	.275
SD12A	.255
SD23A	.275
SD23G	.305
SD23H	.280
Proprietary—F.o.b. Shipping Point	
Name CDA	.325
Proprietary—At Works	
Name solvent	.285

b. To determine the price for quantities of less than tankcars, the following differentials may be added to the maximum tankcar prices set forth in paragraph a above:—

(Containers Included)	Per gal.
Drums, car lots	$0.07
19 drums, less car lots	.09½
1/18 drums	.12½
Barrels, car lots	.11
19 barrels	.13
1/18 barrels	.16

c. To determine the maximum prices in the Pacific territory, 4 cents per gallon may be added to the maximum prices established in paragraph a or b above, as the case may be.

d. To determine the price of anhydrous ethyl alcohol (200 proof), 3 cents per gallon may be added to the maximum prices established in paragraphs a, b or c above, as the case may be.

e. For purposes of this schedule the term "Eastern" territory shall be deemed to include all the States east of and including New Mexico, Colorado, Wyoming and Montana and the term "Western" territory shall be deemed to include all other States of the United States.

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YOHIMBINE

NOTES

Sept. 1939 War declared. Consideration given to enlarging our Alkaloidal manufacturing facilities. Comfortable imported stocks of Alkaloids held here. Difficulty in competing with European labor costs. Decision to proceed with manufacture of comprehensive line of Alkaloids, etc.

Sept. 1940 Peace rumors. Buyers temporarily hold off declaring near future requirements. Stocks of imported materials have largely disappeared. Our knowledge of world markets for required crude materials prompts continuance of Alkaloidal manufacture, despite risk involved. Service to the industry.

Sept. 1941 PENICK LABORATORIES now recognized as *main source* of supply for Alkaloids and related Plant Principles. Frequently necessary to resort to secondary and lower yielding crudes. Higher production costs. Substantial extension of research laboratories. Appropriations for experimental work in domestic growth of important Botanicals. Substantial quantities of Alkaloids required by customers under Defense Program. Need for Alkaloids in established products, from standpoint of public health. Disposition on part of customers to anticipate requirements and insure supplies.

?

Sept. 1942
The continued support of our manufacturing customers will afford them still better facilities and service.

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Botanical Drugs, Spices, and Gums

Domestic Botanical Collections Below Normal — Number of Workers Fewer — Prices Paid Average Higher Than Usual Levels—Market Undertones Gain Strength

Demand in the market for botanical drugs last week held to excellent volume and available supplies were none too plentiful. Of course, imported botanicals were in far worse shape than those of domestic origin but the latter were in a position far from favorable in the sense of that word in normal times. Collections have not been plentiful in the domestic primary markets.

Labor shortage in the collection areas has been pronounced. High wages paid by industry directly and indirectly connected with the national defense program generally have attracted workers from whom formerly were drawn the bulk of field workers in botanical drug collection.

Prices paid the few number of workers have been, on the average higher than in normal times. This has been necessary to keep the number of workers as high as possible and to stimulate the quantities gathered. On the whole, no reason to expect any more favorable prices during the coming Winter exists at the present time. It is purely a sellers' market.

Balsams

Peru.—Demand found stocks very small. Prices strong. Tend up.

Tolu.—Steady to firm. Moderate demand and supply. Little competition.

Barks

Cinchona.—No real need goes unsatisfied. Very firm prices. Demand good.

Elm.—Being more closely watched. Some expect higher prices. Collection not too satisfactory.

Soap.—Deliveries steady and in good volume. Undertone steady to firm.

Wahoo.—Activity gains. Finds prices on firm side. Little competition.

Beans

Calabar.—Limited stocks firmly held in a few quarters.

Vanilla.—Strong undertones. Limited stocks far smaller than demand. Prices still nominal and subject to confirmation. The future? Maybe easier. Ship at Madagascar late this month may bring Bourbon beans here. State department negotiating for raising British blockade.

Berries

Saw Palmetto. — Apparently very steady. Lacking more than routine, ordinary trading interest.

Sloe.—Sold at higher level of 60c. to 65c. per pound. Request shows gain. Stocks conservative.

Price Changes

Advanced

Arabic gum, sorts, ½c. per lb.
Colombo root, 2c. per lb.
Coriander seed, ½c. per lb.
Ginger, Cochin, ½c. per lb.
Jamaica, bold, 2c. per lb.
medium, 3½c. per lb.
bright grinding, 3½c. per lb.
Hempseed, ¾c. per lb.
Laurel leaves, Greek, 10c. per lb.
Pepper, red, Mombassa, ½c. per lb.
Sage, Greek, 5c. per lb.
Sloe berries, 4c. per lb.

Reduced

Celery seed, Indian, 2c. per lb.
Cumin seed, Indian, ¼c. per lb.
Clove, Zanzibar, ¼c. per lb.
Mustard seed, Montana yellow, 2c. per lb.
Nutmegs, West Indian, ¼c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
278.2	278.2	278.8	194.3

Market news that may have developed after this report was sent to press will be found on page 4.

Flowers

Chamomile. — Strengthening moderately. Some report price rise. Stocks mainly in firm hands.

Lavender.—Activity stirring. Stocks moderate. Specially as concerns top qualities. Prices tend upward.

Mullein.—Limited stocks strongly held. Not much demand at present time.

Pyrethrum.—Concentrates still on easier side. Due to competition and available supply raw material.

Gums

Arabic.—Spot fractionally higher at 24½c. to 25c. per pound. Growing stronger steadily. Future tied in tightly with future of shipments from

Senega Root

It is called rattlesnake root, and mountain flax. It is called seneka, seneca, and seneca snakeroot. The French Codex has it Polygala de Virginie, and the German pharmacopoeia says Senegawurzel. It was senega in the U.S.P. and is official as senega or seneca snakeroot in the National Formulary VI.

It grows from Canada to North Carolina and west to Minnesota. But in commercial quantities it is collected by Canadian Indians and reaches Winnipeg, Manitoba, from the Canadian hinterland.

And when it reaches Winnipeg it gets into the hands of a small, tight, shrewd, conniving group whose main business is selling furs. From Winnipeg it eddies out into the United States and crosses the Atlantic Ocean to European consumers. Not much crosses now because of the war.

The current quotation is 95c. per pound. On August 25, 1939, 55c. was quoted. And it was $2.50 on January, 1920.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags Detained.	Bags Entered.
Anise	190	2,293
Belladonna	70	76
Caraway	...	207
Cardamom (cases)	10	1,899
Celery	35	1,740
Coriander	16,396	31,549
Cumin	3,101	12,599
Digitalis leaves (cases)	...	...
Dill	3,118	16,626
Fennel	210	2,249
Henbane leaves (bales)	150	170
Mustard	...	9,579
Poppy	1,080	3,153
Sage leaves (bales)	1,203	7,308
Sesame	3,349	7,644
Stramonium	...	...
Thyme	915	2,924

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

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✓CUDBEAR
✓CINCHONA BARK
✓COCILLANA
✓DAMIANA Select
✓DERRIS
✓DIGITALIS (118% Active)
✓DOGGRASS CUT
✓ERGOT (140% Active)
✓EUPHORBIA PIL.
✓FENNEL SEED
✓GALANGAL ROOT
✓GINGER
✓GUAIAC GUM Glassy
✓HAWTHORNE BERRIES
✓HOREHOUND
✓INSECT FLOWERS
✓IPECAC ROOT
✓IRISH MOSS
✓KOLA NUTS
✓MYRRH GUM
✓OLIBANUM GUM
✓ORANGE PEEL
✓ORRIS ROOT
✓PAPAIN
✓PEPPERMINT
✓PSYLLIUM SEED
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✓SARSAPARILLA
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SAGE LEAVES
SESAME SEED HULLED
THYME LEAVES, French
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BALSAM PERU
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BELLADONNA ROOT
BUCHU LEAVES
COCILLANA BARK
CORIANDER OIL U.S.P.
FENNEL SEED, Indian
GENTIAN ROOT
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM CAMPHOR, Japanese
HELLEBORE ROOT WHITE
HERBE MENTHE
HOREHOUND HERB
IPECAC ROOT
JUNIPER BERRIES
LAVENDER FLOWERS
LINDEN FLOWERS
MAHUANG, Chinese
MALEFERN ROOT
ORRIS ROOT
PSYLLIUM SEED
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source. Ought to be plenty of defense ships seeking return cargo.

Guaiac.—Goods get in from primary market in moderate quantities. Undertones very firm. Demand very good.

Mastic.—Virtually impossible to get direct shipments from source. Very strong market. Prices practically nominal.

Tragacanth. — Grows stronger as supplies decrease. Replacement arrivals infrequent. Plenty is due to arrive. But when, if ever?

Herbs and Leaves

Belladonna.—Still holding very firm. Domestic production well spoken for at fairly higher prices.

Buchu.—Advance maintained. Market still holds upward tendency. None too plentiful stocks held here.

Laurel.—Greek higher at 58c. to 59c. per pound. Turkish goods disappear. Recent Colombian offerings are off quality.

Sage.—Greek advanced to $1.05 to $1.15 per pound. Strong, undersupplied market so far as quality merchandise goes. What will the pork sausages be this Winter? And the sage cheese?

Miscellaneous

Areca Nuts.—Powder still easier. Reported 15c. to 16c. per pound might be shaded.

Ergot.—Market considered $2 per pound. Admitted this might be shaded at times, possibly by about 5c. per pound. No general downward tendency at moment. Situation easier because of late arrivals.

Irish Moss.—Collection activity keen along New England coast. Market to be on short rations this Winter. Prices paid uniformly high.

Papain.—No weakness nor sign of weakness in near future. Limited offerings from source. Spot prices firmly maintained. Tend higher.

Roots

Aletris.—Fair stock laid in against Winter needs. Costs fairly high this Summer.

Calamus.—Good outlet for domestic root. Very firm undertones.

Colombo.—Higher at 22c. to 23c. per pound. Transport cost high from primary market.

Cube.—Very firm undertones. Prices tend higher.

Derris.—Primary sources show gaining strength. Prices tend up, all markets. Demand excellent.

Seeds

Celery.—Indian shaded to 64c. to 66c. per pound.

Coriander.—Higher at 11½c. to 12c. per pound. Good quality not too plentiful.

Cumin.—Indian shaded to 17¾c. to 18¼c. per pound. Other kinds unchanged.

Hemp.—Rise extended to 9c. to 9½c. per pound. More activity.

Mustard.—Montana yellow lower on new crop offerings. Market 8c. to 8½c. per pound.

Poppy.—Turkish seed rises to 34½c. to 35c. per pound under more pressing demand.

Spices

Clove.—Zanzibar shaded to 16c. to 16½c. per pound. Others firm.

Ginger.—Cochin advanced to 24½c. to 25c. per pound. Bold Jamaica nominally 42c. per pound; medium, 40c. to 41c.; bright grinding, 39c. to 40c. African strong but unchanged.

Nutmegs.—West Indian down to 14c. to 14½c. per pound. East Indian nutmegs show firmness and price stability.

Pepper.—Prices firm. Trading steady from grinding interest. White Singaport Muntok offered at 10½c. to 11c. per pound.

Trading in black pepper futures on the New York Produce Exchange from September 13 to September 19, inclusive, comprised 82 contracts. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
March	6.30	6.00	5.96@5.98
May	6.50	6.14	6.05@6.08
September	6.44	5.85	5.84@5.88
December	6.32	5.90	5.90@5.92

Pimento.—Down to 20c. to 21c. per pound for spots. September shipment, 20½c. to 21c.; October, 19½c. to 20c.

Charles Comerford Killed In Shellac Plant Blast

Charles Comerford, president of the Charles Comerford Shellac Company, Brooklyn, N. Y., sustained third degree burns and died as the result of an explosion in the plant on September 12. Five other men were injured and the plant was totally wrecked.

Mr. Comerford spent most of his business life in some branch of the shellac business. In recent years, he had specialized on shellac grinding.

Surviving him are his wife and two children.

Fritzsche Brothers Explains Cause of Shipping Delays

Ever increasing shortages in raw materials, and ever growing delays in handling orders have disrupted the usually prompt despatch of business in essential oils, aromatic chemicals, and compounds.

F. H. Leonhardt, president of Fritzsche Brothers, this city, has sent the following to the firm's customers:—

Present world conditions, stemming from the war and the subsequent Federal defense effort, are creating shortages of essential raw materials in ever increasing number.

Normally, a major portion of the numerous inquiries and orders which we receive daily can be handled promply and in a more or less routine manner. Today, however, every order and inquiry presents a special problem, necessitating, as it does, the careful checking of disposable stocks before it can be handled.

Naturally, this imposes heavy burdens on our already overburdened staff and gives rise to annoying but unavoidable delays. This is particularly so in dealing with flavor or perfume specialties, where the lack of one item out of fifty may make it impossible to act promptly.

We are doing our best to cope with this situation and the object of this letter is to explain to you the reason for any deviation from our usual prompt handling of your inquiries, also to ask your kind indulgence and co-operation in this emergency.

According to the administration at Washington, our country is engaged in a struggle for the survival of our Government and our institutions, to which all else must be subordinated. Naturally, this is causing great disruption of our normal economic life, and we can only do our best to adjust ourselves to such changed circumstances.

Chicago Perfumery, Soap, Extract Ass'n, Hears Hall

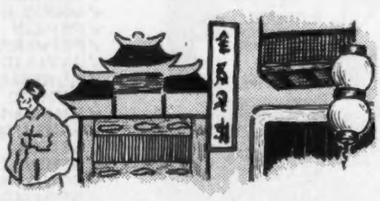
The first Fall luncheon of the Chicago Perfumery, Soap & Extract Association was held September 16. Carl M. Black, of the Chicago office of S. B. Penick & Co., and president of the association, presided.

John S. Hall, attorney for the association was the speaker and spoke at length regarding legislative matters pertaining to the industry. This was followed by a discussion on priorities, shortages, and sales problems resulting therefrom, association members participating vigorously and making the first meeting of the season a lively affair. The meetings will be held monthly during the Fall, Winter and Spring months.

Doushkess Manages Penick Chemical Specialty Output

W. N. Doushkess, a graduate of Lehigh University, who served in the Chemical Warfare Service of the U. S. Army during World War I, has been appointed manager of a department for the production of a limited number of industrial chemical specialties by S. B. Penick & Company. Mr. Doushkess will make his headquarters at the general offices in this city. For the past sixteen years he has been prominently associated with one of the leading chemical companies of this vicinity as director of technical development.

WHEN IT'S 1 A.M. IN NEW YORK
IT'S NOON IN HONG KONG



While we are asleep the markets of the Far East are teeming with life. Easily recognized by their unceasing activity are the Prentiss buyers, who are redoubling their efforts to discover new supplies of hard-to-get Botanical Drugs. But even these unceasing labors cannot offset the impending shortage of certain imported commodities and we suggest that you 'phone us now concerning the status of the Botanical Drugs you will be needing shortly.

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THE R. J. PRENTISS & CO., INC. THE WORLD IN BOTANICALS

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U. S. P. . . . .

YOU can insure your future requirements of this pure, natural flavoring oil *by placing contracts now for your next SIX MONTHS' requirements.* There is no better guarantee of flavor quality or economy than the use of uniform, crystal clear, "Exchange" Brand California Coldpressed Lemon Oil in your foods, beverages, drugs, pastries or candies. 'Phone, write or wire for prices.

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FACTORIES AT CLIFTON, N. J. AND SOISSONS (AISNE) FRANCE

Essential Oils, Aromatic Chemicals

Essential Oil and Aromatic Chemical Stocks Shrink Steadily —Substitute Materials Developing New Industry Under Crisis — Demand Outruns Supply — Prices Nominal

Although price activity was in the background of events in the market for essential oils and aromatic chemicals last week, values were as strong as ever and the lists held very few items the price for which was not subject to confirmation.

Demand for practically all materials was sharply in excess of available supplies. Conditions were such as to make an increase in stock reserves most unlikely. Basic raw materials on which output of synthetic aromatic chemicals depends are obtainable in reduced volume only. Natural raw materials from which essential oils derive are as plentiful as ever in most primary markets but lack of ships and cargo space contribute heavily to the maintenance of a short position as to supplies.

Demand ran high and handsome throughout the period but by the close of the week many an inquiry and order went unfilled. There was a swelling of the call for substitute materials used to eke out the supply of natural products growing increasingly scarce on spot. In fact, something like a new industry is rising in this country, forced directly by what the war has done to dry up sources of normal raw materials.

Price Changes

Advanced

Cassia, 25c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
224.0	223.3	219.0	126.5

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—All kinds very firm. Artificial in exceptionally low supply. Little natural bitter oil here. Sweet showing strength.

Amber.—Still out of spot supply. Still lacking signs of early reappearance locally.

Anise.—Demand excellent. Supplies modest and retiring. Replacements strongly placed and hard to get.

Apricot.—Kernel oil doing well. Stocks in strong hands. No surplus.

Avocado.—Moderate stocks selling steadily. Full prices obtained.

Bay.—Market rather routine. Generally firm undertones. Firm at primary markets.

Bois de Rose.—No weakness anywhere. Shippers particularly strong. Stocks at low levels here. Prices tend upward.

Cajeput.—Buying up. Strengthens poorly stocked spot market.

Camphor. — Purely nominal situation. Replacement importation stopped. No sign of resumption.

Cananga.—Strong under current. Replacement cost averaging higher in cables. Local quotations tend upward.

Caraway.—Low stock tends to gain value. Undertone strong. Demand moderated by high prices.

Cassia.—Advanced to $6 to $6.25 per pound. Barely in line with replacement cost. Tendency toward still higher price levels.

Cedarleaf. — Firmness maintained. Demand not pressing. Outlook for strong undertones.

Cedarwood.—Very good call, considering season. Not too much unsold oil available here.

Celery.—No further advance. Values straining upward. Low supplies not being adequately increased.

Citronella.—Purely nominal situation. No holder wants to sell much. Few cables reaching here from sources.

Clove.—Rising trend raw material makes ultimate advance probable in derived item. Strong, vitalized undercurrents sweep spot.

Coriander.—Stocks shrink faster than domestic distillation can replace. Whole price tendency upward.

Cumin.—Stocks consist mainly of a few type samples.

Dill.—Widening demand strengthening market position. Rises in values forecast.

Eucalyptus. — Demand tends to broaden. Available transport from source comparatively scarce. Nothing offered from Spain or Japan.

Geranium.—The few odd pounds still unsold strongly held at nominal prices.

Lavender.—Those with unsold supplies hold for own uses. Purely nominal position locally.

Lemon. — Demand for domestic oil excellent. Hope for good production abounds. Needed now if ever. Prices very firm.

Lemongrass.—Scarcity acute. Little chance for return of normal supply. Irregular arrivals of indefinite quantities probably to rule the future.

Lime.—Demand running to sizable volume in understocked market. Primary markets offering limited quantities. Looking for higher prices, in opinion of some importers.

Orange.—Domestic producers equalizing deliveries by careful sales program. Undertone of market basically strong, due to lack of normal supplies imported material.

Palmarosa.—Tending higher as import cost and difficulty rises. Demand good.

Peppermint.—No further price recession. Market called generally firm. Some not covered hold aloof in hope western values eventually will drop.

Petitgrain.—Narrow primary market export outlet makes for strong situation. Caused by shippers with German connections being barred from shipping here.

Sandalwood.—Movement of Mysore market holds its gains fairly well. Still needed here by increasing number of

Lemon Oil

California—the State where everything animal, vegetable, or mineral grows large—is the sole dependence of lemon oil users. When she spawned the domestic lemon oil industry, she brought forth an issue that in a few years supplied 75 percent of domestic needs. A picture of the industry a little clearer and microscopic than an earlier treatment afforded seems warranted.

A trifle was produced during World War No. 1 but the industry's birth dates mainly from 1923 when American oil fetched 70c. per pound. Full scale production began in 1929 with California oil selling at $3.60 and Italian for $4.10 the pound. Ten years later, California oil was $2.50; Italian was $3.15.

California production cut into Italian exports. In 1914, Italy shipped 577,600 pounds here and dominated the market totally. In 1929, Italian shipments totaled 384,370 pounds. Ten years later, Italy sent the U. S. but 148,235 pounds. And in the January-May period of 1941, total imports from all sources was but 13,690 pounds.

Italian control of the United States lemon oil market quivered in the early twenties, was shaken sharply beginning in 1929, and has been practically wrecked by World War No. 2. California oil at present sells for $3.25 per pound, and at least $5.50 would have to be paid for any Italian oil still available. Some brands disappeared from the market around $8 per pound.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

Extreme Shortage of
GENUINE FRENCH ROSEWATER
highlights the many advantages of
ROSESOL MM&R
A water soluble concentrate (1 oz. makes a gallon of Rosewater higher in quality and lower in cost than Rosewater U. S. P.)
FEATURES: Rosesol MM&R is a 47% alcohol solution containing definite quantities of Otto of Rose and isolates. It is not subject to bacteriological spoilage. Will not freeze. Dissolves clearly without filtration.
Sample and price schedule on request
MAGNUS, MABEE & REYNARD, INC.
Essential Oils, Balsams, Aromatic Chemicals, Concentrated Flavors . . . Since 1895
16 DESBROSSES STREET, NEW YORK, N.Y.
CHICAGO: 221 North La Salle Street
CANADA: Richardson Agencies, Ltd., 454 King St., W., Toronto

MYSORE GOVERNMENT
SANDALWOOD OIL
Distilled at Linden, N. J. from selected Mysore Heartwood by Sole Distillers and Selling Agents
W. J. BUSH & CO.
INCORPORATED
ESSENTIAL OILS | NATURAL FLORAL PRODUCTS | AROMATIC CHEMICALS

D. W. HUTCHINSON & CO., Inc.
IMPORT **ESSENTIAL OILS** EXPORT
162-164 Front Street Established 1896 New York City

BENZALDEHYDE
N. F.
MANUFACTURED BY
VAN SCHAACK CHEMICAL WORKS, INC.
3430 Henderson Street Chicago
Eastern Representative: Robert & Co., 25 Broad St., New York

We solicit your inquiries on
D&O ESTABLISHED IN 1798
BALSAM TOLU
BALSAM PERU
BALSAM COPAIBA
OIL PEPPERMINT
OIL CLOVE, U. S. P.
OIL SANDALWOOD, U. S. P.
DODGE & OLCOTT COMPANY
180 VARICK STREET NEW YORK, N. Y.
Boston Chicago Philadelphia St. Louis Los Angeles
Plant and Laboratories: Bayonne, N. J.

buyers, despite substitution of other materials.

Spearmint.—Generally firm to firmer. Demand normally active.

Sweet Birch.—More active market expected. Generally firmer prices.

Wintergreen.—Normal activity. No surplus supply. Producers have firmer views.

Wormseed.—Tending stronger. No huge surplus output expected. Country's needs expected to absorb offerings readily.

Wormwood. Much of new production engaged by manufacturing consumers. Value tend to strengthen.

Aromatic Chemicals

Acetophenone. — Sustained demand finds supplies limited and prices very firm.

Amyl Acetate.—Strong. Active. Limited supplies. Upward price tendency.

Amyl Butyrate.—Stocks shrink. Demand ahead of supply in most quarters.

Anethol.—Raw material stocks not increasing. Strong situation.

Anisic Aldehyde. — No easing, or likely to be. Good demand.

Benzaldehyde. — More orders and prompt delivery stocks can care for. Strong position. Open market stocks would command premium.

Benzyl Alcohol. — Gaining strength steadily. Every pound spoken for.

Benzyl Cinnamate.—No competition. Little usold stock.

Benzyl Formate. — Moving in fine volume out of stocks decidedly limited.

Benzyl Proprionate.—Call excellent. Most sellers reserved.

Cinnamic Aldehyde.—Inquiry, sales and future outlook make present supplies appear very small.

Citral.—Output hampered and limited by reduced flow of raw material.

Citronellal.—Strong. In low reserve. Sellers restricting sales.

Citronellol. — Little chance to increase supply. Sellers reserved.

Diacetyl.—Inquiries up, but sellers find difficulty in caring for business already booked.

Diphenylmethane.—Sales kept down by inability of sellers to increase available supplies. Prices strong. Tendency upward.

Diphenyl Oxide.—Strong, tight market of fine demand and strengthening prices.

Eucalyptol. — No weakness. None likely. Raw material low. No imports of late.

Eugenol.—Gaining strength as raw material stocks drop.

Hydroxycitronellal.—Unyielding strength. Definitely in short supply. Production engaged ahead. Spot deliveries of new orders only from secondhands.

Safrol.—Purely nominal. Total absence of normal spot reserve.

Thymol.—Secondhands have the market. Producers unable to take new orders. Are far oversold.

Alcohol Tax Rebate Refused by House

—*Continued from page* 3

tilled spirits is increased from $3 to $4 per proof gallon, and the $4 tax is made applicable to brandy as well.

Proposals to levy a soft-drink tax of one-sixth cent a bottle were eliminated from the measure as was the proposed increase in gasoline taxes amounting to one cent per gallon. The senate agreed to the house amendment removing the exemption from excess profits tax income derived from mining startegic metals. A tax of 2 cents per thousand is imposed on ordinary matches, while "fancy" wooden matches will be taxed at a rate of 5½ cents per thousand.

Telephone or radio telephone messages or conversations for which the charge is more than 24 cents will be taxed at the rate of 10 percent of the charge. A levy of 10 percent will be imposed on leased wire, teletypewriter, or talking circuit special service, and 5 percent with respect to amounts paid for wire and equipment service and burglar and fire alarm service. Local telephone service will be taxed at a rate of 6 percent. Electric, gas, or oil appliances used for cooking or heating will be taxed at a rate of 10 percent. All washing machines, both commercial and domestic will receive a 10 percent levy, and electric light bulbs and tubes will be taxed 5 percent.

A retail sales tax of 10 percent is levied on all toilet preparations and cosmetics including perfumes, essences, extracts, toilet waters, petroleum jellies, hair oils, pomades, hair dressings and restoratives, hair dyes, aromatic cachous, toilet powders, and any other preparation used or applied for toilet purposes. Taxes on radio time sales and billboards, included in the house bill, were eliminated from the final bill. All the excise taxes become effective October 1, 1941.

The measure provides for the establishment of a committee to investigate all Federal expenditures with a view of recommending elimination or reduction of all such expenditures which are deemed nonessential. This committee is to be composed of three members of the senate committee on finance and three members of the senate committee on appropriations; three members of the house committee on ways and means and three from the house appropriations committee; the Secretary of the Treasury and the director of the Bureau of the Budget.

Individual income taxes under the new law are substantially increased, and exemptions are lowered. The 10 percent defense tax, included in last year's revenue law, was made permament, but integrated into the new surtax schedule. In addition to the normal rate of 4 percent on incomes, surtaxes ranging from 6 percent on the lowest incomes, to 77 percent for incomes of $5,000,000 or more are included in the new bill.

In place of the house proposal for a special 10 percent levy on increased earnings of corporations which might otherwise escape the excess profits tax through the use of the invested capital basis for computing surtax income, corporation surtax rates are increased from 5 percent to 6 percent on companies earning $25,000 or less; and from 6 percent to 7 percent on those earning in excess of $25,000.

N.W.D.A. to Meet Sept. 29 to Oct. 2

—*Continued from page* 3

Broadcasting Company, Fulton Lewis, jr., of the Mutual Broadcasting System, Washington, and George Fielding Eliot of the Columbia Broadcasting System.

The annual address by President P. A. Hayes will be presented on Monday morning at the first session. This will be followed by a keynote speech by a well known current writer on international affairs.

The Tuesday session will include a business forum under the direction of Edward T. T. Williams, chairman of the association's manufacturers' committee. Among those who will take part in this session are Keith Keller, Minneapolis, and John Goode, Asheville, each prominent retail pharmacists; C. C. Caruso, New York, Al. Benson, Boston and H. W. Adkins, Milwaukee, representing wholesalers; R. W. Johnson, of Johnson & Johnson, New Brunswick, N. J., Lee Bristol of the Bristol-Myers Company and one or two other manufacturers, will represent that group; Norbert McKenna, an executive from OPM, in charge of paper and pulp board priorities, will represent the Federal government.

On Wednesday morning there will be, in addition to the routine business, another forum, during which time the chairmen of the various standing committees of the association will answer questions submitted to them from the floor and also present the essential features of their annual reports. There will be one or more stated speakers scheduled for this session.

Among those who will make special short addresses at the convention are the following:—Dean H. Evert Kendig, retiring president of the the American Association of Colleges of Pharmacy; Dr. Robert P. Fischelis, chairman, Council of American Pharmaceutical Association and president of Conference of Pharmaceutical Law Enforcement Officials, and Harry J. Anslinger, Narcotic Commissioner, Washington, and Clayton Rand, editor of *Dixie Press*, Gulfport, Miss.

On Thursday a special forum will occupy the session, in addition to the election and installation of new officers. The forum on the last day will be devoted largely to merchandising, and in this leading manufacturers, wholesalers and retailers will take part. John McPherrin, of Lord & Thomas, will officiate in the conduct of this session.

The entertainment will be highlighted by Bob Hope and his cast of the Pepsodent radio show.

Boston Distribution Conference October 6

—*Continued from page* 5

Massachusetts Institute of Technology. Among the topics and speakers are:—

"The Bottlenecks of Business," Thurman W. Arnold, Assistant Attorney General of the United States.

"Price Regulation and Price Fixing," Dr. Julius Hirsch, economist.

"War Finances, Taxation and Prices," Dr. Melvin T. Copeland, professor of marketing, Harvard Business School.

"Trade Restraints and Business," James A. Horton, chief examiner of the Federal Trade Commission.

"Export Control-Expediting Our Exports," Brig-Gen. R. L. Maxwell, Administrator of Export Control.

"Instalment Selling and the Defense Program," A. O. Dietz, president of Commercial Investment Trust.

"Plastics in a Changing World," H. M. Richardson, of the General Electric Company.

"Latin-American Products in the United States," E. S. Marcus, of Neiman-Marcus, Dallas, Tex.

F.W.D.A. Discusses Laws and Defense

—*Continued from page* 3

Wholesale Druggists' Association to better equip its members to cope with the unexpected and unforseen situations and conditions resulting from the rapidly changing economic scene in America today. In other words, it is to your trade association that you should come first when you need information, advice and counsel concerning any and every aspect of the operation of your industry. And who is the FWDA, except yourself and your fellow members working cooperatively to untangle and control the everyday problems which beset all of us? Therefore, you are merely putting new strength and ability into your business operation, and more money into your pocket and the pockets of your affiliated retailers, by enthusiastically supporting your cooperative.

Officers Elected

The following officers were elected:—

President, Howard Bradbury, Washington Wholesale Drug Exchange, Washington, D. C.; vice-president, John A. Crozier, Calvert Drug Company, Baltimore, Md.; treasurer, O. J. Schmitz, Snowden Mize Drug Company, Atchison, Kan., and secretary, Ray C. Schlotterer, Federal Wholesale Druggists' Association, New York.

Members of the executive committee are:—

Chairman, S. C. James, Ellicott Drug Company, Buffalo; J. J. Dreyer, New Jersey Wholesale Drug Company, Newark; Harvey Henry, Los Angeles Drug Company, Los Angeles; O. W. Osterlund, Philadelphia Wholesale Drug Co., Philadelphia; George A. Raab, Providence Wholesale Drug Co., Providence, R. I.

Legislative Report

John J. Crozier, Baltimore Md., Chairman.

Mr. Crozier, as chairman of the legislative committee, reports, in part, as follows:—

Since our last annual meeting at Hot Springs there has been, and still is, a movement on foot to repeal the Miller-Tydings fair trade practice act. At the present time when all our thoughts and energy should be spent in the effort to overcome the dangers of the loss of our democratic freedom, certain people high in the national administration and their cohorts, as many of you know, are using their every means to undermine the work which the pharmacists of America have spent years in accomplishing. Taking this time when our thoughts are directed toward the conservation of democratic principles and the peace and happiness of the world, these people, whose thoughts travel in queer directions, are using their wiles to repeal our national fair trade practice act.

What happened in Maryland, no doubt has happened in all sections of the country, particularly, in the States where there is fair trade. In Maryland a pamphlet issued by the Citizens' League, sometime prior to March of this year, had taken up the cudgels of a New York tabloid in making a comparison of prices of certain drugs and remedies between Baltimore and Washington. They did not, of course, take time or make any effort to delve into real facts.

I believe at this time that there are only three States and the District of Columbia in our entire country without a fair trade law, and I for one, wonder if the opponents of this law are not using these places as a steppingstone for the repeal of the national act.

Secretary's Report

Mr. Schlotterer, as secretary of the association, reported, in part, as follows:—

We are beginning to see the squeeze between products for defense and materials for civilian use; with the possibility of retail distribution being completely erased, or seriously impaired; industries doomed as a result of their inability to obtain needed raw materials, and through "priorities unemployment," large trading areas having their buying power seriously curtailed. On the other hand we see no efforts made to curtail non-defense governmental spending, and no club used on labor to make them realize that they are a part of the national emergency.

Drug Distribution

John Abright, of the Bureau of Census, discussed "Trends in Drugs Distribution." He used several charts to illustrate his points on wholesalers sales and inventories. He said that chart studies revealed that the independent operator was holding his own with the chain stores.

GELLOID

The Colloid For:

. . . Stabilizing suspensions and emulsions
. . . Moisture retention in paste dentifrices
. . . Quick, dry lotions

JACQUES WOLF & CO.
MANUFACTURING CHEMISTS AND IMPORTERS
PASSAIC, N. J.

OIL PETITGRAIN
"Cordillera"
BUSH PAN-AMERICA, LTD.
136 LIBERTY STREET, NEW YORK CABLE: ARROBUSH

Petroleum Products

Demand for Petroleum Products Continues to Climb Upward —Crude Oil Price Advance in Midcontinent Is Urged —Henderson to Hear Pennsylvania Oil Protests Sept. 24

The demand for petroleum products last week continued to climb to record levels. Virtually all products were in active call and many suppliers were encountering difficulty in filling orders. Paraffin wax remained very strong and attempts of the Navy to purchase 10,000 tons were meeting with little success. Solvents and naphthas were in heavy call and many grades were virtually unobtainable. Lighter hydrocarbons moved well, with an acute shortage of butane and propane reported. Petrolatums and white mineral oils were attracting good interest.

The president of one prominent oil company last week urged leading purchasers to take the lead in an upward movement in posted crude oil prices and expressed the view that the OPA may be persuaded to sanction such a move. He pointed out that the majority of companies in the Midcontinent had advanced wages 5 to 10 percent and stated that if the industry could show Mr. Henderson how costs are piling up a price advance would be countenanced.

In Bradford, Pa., it was announced that protests of oil producers against the setting of a ceiling on the price of Penn grade crude oil will be considered at a meeting September 24 in the office of Leon Henderson. Since the price was pegged August 23 Pennsylvania oil producers have been collecting data to prove that the $2.75 top price is insufficient to cover increased production costs.

Solvents and Diluents

Aromatic Naphthas. — Record demand remained in the market, as supplies grew scarcer. Prices were steady.

Cleaners' Naphtha.—Shipments during the week were smaller due to the curtailment of offerings. Stocks were not extensive. Prices were stable.

Lacquer Diluent.—Both benzol type and toluol type were very scarce, many suppliers being entirely sold out. Prices were firm.

Mineral Spirits.—Demand of the paint trade continued to exceed available supply and prominent sellers were pressed to fill orders. Quotations were unaltered.

Rubber Solvent.—Curtailment in the output of rubber tires has failed to influence conditions here as defense buying has buoyed the market and more than maintained it at previous levels. Price was firm.

Stoddard Solvent.—Little of new interest was reported. The market remained tight, with prices firm.

V.M. & P. Naphtha.—Inquiries continued at a good pace and contract deliveries were in large volume. Prices were steady.

Markets at Other Centers

Chicago—Sept. 19

Marked scarcity is showing up in some grades of material, as buyers continue to canvass for additional supplies and their sources limit the orders they are taking. Paint industry needs remain high.

Aromatic Naphthas.—Limited supplies; market strong.

Cleaners' Naphtha.—Call extensive; no change in price.

Lacquer Diluent.—Offerings fair; price unchanged.

Mineral Spirits.—Demand extensive, with quotations steady.

Rubber Solvent. — Movement heavy; market steady.

Stoddard Solvent.—Inquiries good; no change in quotations.

V.M. & P. Naphtha.—Available supply limited; prices strong.

New Orleans—Sept. 19

Little change was noted in the domestic market on cleaning solvent and V.M. & P. naphtha. Prices were firm and conservative demand continued.

Cleaning Solvent. — Demand routine; prices unchanged.

V.M. & P. Naphtha.—Normal demand; no change in price.

San Francisco—Sept 19

Recognizing that shortages in most of the petroleum specialties exist elsewhere than on the Pacific Coast, major producers here have set on a policy of keeping the home trade well supplied with anything needed before shipping a gallon out of the territory. The market is active in nearly all divisions.

Aromatic Naphthas.—Demand continuing along broad lines.

Petroleum Thinners.—Shipments very good.

Lacquer Diluent.—Shows no intention of slowing up.

V. M. & P. Naphthas.—Demand very active.

Rubber Solvent.—Well maintained.

Stoddard Solvent.—Seasonal demand still holding up.

Cleaners' Naphtha.—Routine.

Tulsa—Sept. 19

The advance in Eastern markets was not followed in the Mid-continent, but materials were tighter this week than last. Again paint manufacturers were strong bidders for various grades of naphthas.

Cleaners' Naphtha.—Firm demand, prices strong.

Stoddard Solvent.—Good movement, quotations firm.

V. M. & P. Naphtha.—Good demand, prices steady.

Mineral Spirits.—Paint makers actively bidding, prices firm.

Lacquer Diluent.—Demand brisk, quotations strong.

Rubber Solvent.—Fair call, prices steady.

Lubricating Oils

One of the outstanding developments in petroleum products during June and the first six months of 1941 was the continued rise in the domestic demand for lubricating oils. An increase of 27.4 percent in domestic consumption was reported for the first six months, compared to a gain of 22.9 percent at the end of May. The rapid rise in demand is attributed to growth of the defense program and is the chief factor in the lift of refinery prices and the abortive effort to raise Pennsylvania crude markets.

Demand for lubricating oils during the first six months this year totaled 19,748,000 barrels, 1,183,000 barrels higher than the demand in the similar period of 1940. Demand also was 1,415,000 barrels greater than production in the first half of the year. Production dropped to 18,333,000 barrels from 19,584,000 in January-June, 1940. There was also a decline in the volume of exports to 4,705,000 barrels from 6,759,000 in the first half of 1940.

Price Changes

Advanced

Oil, lubricating, Pa., cylinder oils, 600-650 s.r., 1c. per gal.
Midcontinent, bright stocks, 1c. per gal.
neutrals, 1c. per gal.
Paraffin, crude scale, 1c. per lb.

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Lighter Fractions

Butane.—Stocks continued to dwindle despite increased production. Demand remained very heavy. Price firm and unchanged.

Heptane. — Consumption continued to improve and inquiries broadened. Tone stable.

Hexane.—Ordering well maintained at previous levels. Price firm.

Octanes.—Buying was on a good scale. Consumers were ordering in good-sized lots. Prices were firm.

Pentanes. — Demand continued to improve and shipments were larger. No price changes were reported.

Propane.—Similar to butane, the market was very tight due to lack of supplies. Offerings were limited. Price firm.

Markets at Other Centers

Chicago—Sept. 19

Restricted supplies continue to represent the most important single factor in the market position of these materials. Buyers remained much interested in obtaining increased volume.

Butane.—Offerings light, prices strong.

Heptane.—Inquiries active, no price change.

Hexane.—Demand was active, market strong.

Octanes. — Interest extensive, quotations stiff.

Pentane.—Restricted supply, no change in quotations.

Propane.—Demand tending to increase. Firm market.

Tulsa—Sept. 19

Light fractions continued scarce this week as buyers bid anxiously for material. Deliveries were heavy.

Butane.—Offerings tight, prices strong.

Propane.—Demand active, quotations unchanged.

Pentane.—Strong call, prices firm.

Petrolatums and Waxes

Paraffin.—Crude scale material remained very scarce and the nominal price was boosted 1c. per pound to 6¼c. There were reports that bids by the Navy were attracting few offers.

Petrolatums.—There were no new developments in the market. Demand held to high levels, with contract movement large. Prices were steady.

White Mineral Oils.—Offerings, demand and prices were at previous levels.

Markets at Other Centers

Chicago—Sept. 19

Business remained active in these products. Scarcity was observed in paraffin. Suppliers continued to limit their acceptance of business.

Paraffin.—Brisk call, market strong.

Petrolatums.—Demand good; no price change.

White Mineral Oils.—Movement active; prices holding.

Tulsa—Sept. 19

Material is more scarce this week and buyers are more anxious to obtain deliveries.

Paraffin.—Heavier call, prices up 1c. to 6¼c. per pound.

Petrolatum.—Steady demand, prices firm.

Fuels and Lubricants

Gasoline. — Demand good. Prices steady.

Kerosene. — Satisfactory inquiries. Quotation unaltered.

Lubricating Oils.—Pennsylvania lubricants were in heavy demand. The 600-650 steam refined cylinder oil was advanced 1c. per gallon to a range of 15c. to 16½c.

Markets at Other Centers

Chicago—Sept. 19

Lubricants are continuing to firm.

Gasoline.—Movement excellent, prices strong.

Kerosene.—Buying moderate, market quiet.

Lubricating Oils.—Demand good, prices firming.

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Highest quality
NAPHTHENIC ACID
CRESYLIC ACID
VISCOUS OILS
(extremely viscous polymerized hydrocarbons)
CALODORANT
GAS ODORANT
STANDARD OIL COMPANY OF CALIFORNIA
225 BUSH STREET, SAN FRANCISCO, CALIFORNIA
CALIFORNIA COMMERCIAL COMPANY, INC.
30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

PETROLATUMS
and
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New Orleans—Sept. 19

A conservative demand was experienced in the gasoline market, with quotations unaltered. There was no change in the demand for kerosene, which continued slow.

Gasoline.—Market normal; price stable.

Kerosene.—Demand slow; price unchanged.

Tulsa—Sept. 19

Gasoline was still in great demand. Lubricants were increased 1c. in bright stocks and neutral oils.

Gasoline.—Steady call, quotations firm.

Kerosene.—Larger demand, prices strong.

Lubricants.—Bright stocks raised 1c. to 22c.-27c. Neutrals increased 1c. to 14½. to 19c.

Texas-N.Y. Oil Pipeline Priority Refusal Reaffirmed

OPD Washington Bureau
September 16, 1941

The Supply Priorities and Allocations Board today announced that it had received formal application for a priority rating to construct the "national defense pipeline" from New York to Texas, and that after careful consideration it had reaffirmed its previous decision that no plan involving the immediate use of steel plate can be considered. The board also agreed that if permission is given to construct the pipeline out of seamless tube, the situation in regard to plate will be reviewed by SPAB next Spring.

National Petroleum Ass'n Re-elects Officers

Atlantic City, Sept. 18, 1941

The National Petroleum Association closed its thirty-ninth annual meeting here today after re-electing all officers and trustees.

National defense problems formed the theme of the convention, and a number of representatives of the Petroleum Coordinator's Office were in attendance. Harold L. Ickies, Secretary of the Interior and Petroleum Coordinator, was unable to attend, and his address, the high spot of the meeting, was read by the Deputy Coordinator, Ralph K. Davies. Mr. Davies outlined the work of the Coordinator's office, and called on the oil industry to take a more active part in its affairs and to rally to its support in efforts to avoid a shortage of petroleum products in the East or elsewhere. He disputed contentions that no shortage is imminent, and expressed confidence that work would soon begin on the projected new crude pipeline from Texas to the New York harbor area.

Another featured speaker was Dr. Gustave Egloff of Universal Oil Products Company, who forecast a big future for chemicals made from petroleum, both in national defense and in new industrial uses after the emergency. He particularly stressed the possibility of synthetic rubber from petroleum, and urged more research and the construction of new plants to make this product.

New York State Oil Producers' Association, which existed prior to 1934, will be reorganized, according to present plants.

Obituaries

Robert C. Tuttle

Robert C. Tuttle, vice-president, general manager of transportation and a director of the Atlantic Refining Company, Philadelphia, died September 16 in that city after an illness of two weeks. He was forty-eight years old. Mr. Tuttle was also president of the Keystone Pipe Line Company, the Buffalo Pipe Line Company, the Atlantic Communications Company, and the Atlantic Oil Shipping Company.

Alanson B. Houghton, former president of the Corning Glass Works, Corning, N. Y., died in South Dartmouth, Mass., September 16. He was seventy-eight years of age.

Max Kahn, father of A. M. Kahn, president, and H. Kahn, treasurer of the Consolidated Products Company, machinery equipment, this city, died September 16. He was seventy-nine years of age. In addition to A. M. Kahn and H. Kahn, surviving are his wife, a daughter and three other sons, Louis, Jacob and Sam.

Mrs. Madelyn Weiss Kinnucan, wife of Henry Lane Kinnucan and daughter of Dr. William E. Weiss, general manager of Sterling Products, Inc., New York, died at her home in Grosse Point, Mich., on September 13. She was thirty-five years of age. Besides her husband and parents she leaves a son, William H.; a daughter, Helen M. Kinnucan, and a brother, William E. Weiss, jr.

William Klusmeyer, vice-president and assistant to the president of Standard Brands, Inc., this city, died September 18 in Yonkers, N. Y. He was fifty-one years of age.

Jonkheer Loudon, president of the Royal Dutch Oil Company, died in occupied Netherlands September 6, according to news advices.

Mrs. Ruth J. Mendelsohn, wife of Leonard Mendelsohn, president of the Beacon Chemical Company, New Brunswick, N. J., died September 12 in that city. She was thirty-three years of age.

John Schenkenfelder, of Schaefer Varnish Company, Louisville, died of a heart ailment, September 10, a few hours after services were held over a brother, Joseph Schenkenfelder, seventy-two years of age, who died September 8. Excitement or grief over the death of the brother was believed to be a contributing factor. Surviving were a widow, three sons, five daughters and two brothers.

Mrs. Theodore G. Sullivan, widow of the former vice-president of Borne Scrymser Company, petroleum products, this city, died September 14 at her home in Montclair, N. J. She was eighty-seven years old.

Mrs. Edith Secor Vreeland, wife of Cornelius De Los Vreeland, former president of the Vreeland Chemical Works, Little Falls, N. Y., died September 18. She was seventy years old.

A.I.F. Meeting Discusses Research

—Continued from page 3

meetings, where the control of groups of insects and diseases such as those already mentioned could be taken up. It would not be necessary for anyone to give away any trade secrets or discuss special trade formulas used in their organization, but a frank discussion of these topics would certainly be mutually helpful.

Standardization of Products

Standardization of products is a subject which certainly could be improved through the agency of the suggested conferences. This is not said with the idea that all products should have the same formula, or anything of the sort, but that certain suggestions could be worked out for a degree of standardization which would be mutually helpful.

The official pathologists and entomologists of the agricultural experiment stations are working with you in this same effort, often through cooperative fellowships assisting in the development of such products. It is certainly very disconcerting to the official entomologists, and highly unprofitable to the commercial manufacturer, when, after years of research he has perfected a really high class product and put it on the market, to have some manufacturer, usually one who knows very little of the fungicide or insecticide business, come on the market with claims for a product of equal merit, or even superior which both your representatives and the representatives of the research organization are fully aware has never been fully tested, and in all probability will come a long ways from meeting the claims made for it.

It is not possible to work out methods of keeping products off the market until properly tested and so certified. While such products, if actually fraudulent can soon be eliminated through the Federal laws governing the inter-state sale of insecticides and fungicides, there frequently are cases where the product is just good enough to get by, but is decidedly inferior to the carefully developed material which has been worked out during a long and ardous period of research. I believe that a conference such as suggested, could, by mutual effort, do a great deal towards keeping such undesirable and entirely untested materials off the market.

Technical Committee

Dr. Alfred Veed, of John Powell & Co., New York, in reporting for the technical committee, said that the committee had worked problems dealing with the determination of water soluble fluorine in insecticide dusts and guarantee for content thereof. He added that the matter of the killing of honey bees due to the use of arsenical insecticide sprays have apparently been settled.

Fauser Made President Of Frederick Stearns

Erwin F. Fauser has been elected president and general manager of Frederick Stearns & Co., pharmaceutical manufacturer, Detroit. He succeeds to a vacancy created by the resignation of E. V. Fraenkel. Earl Warner, vice-president and secretary-treasurer of the company, will serve as acting general manager until the arrival of Mr. Fauser from Australia, where he has been directing a branch of the company since 1931.

Traffic Committee

The traffic committee suggested that all insecticides be manufactured, shipped and warehoused as promptly as possible as it was their opinion that the government would likely issue priorities on rail movements in the very near future, with a car shortage looming early in 1942. Therefore, the committee felt that although the present minimum on carloads is only 30,000 pounds that quantities be raised to 50,000 pounds.

Foster Local Groups

The coordination committee report told of the activities leading to closer cooperation with the Pacific Insecticide Institute and the Florida insecticide manufacturers. As a result of this work the committee recommended that local groups should be formed in the various agricultural sections of the United States in order that there may be an exchange of information on local and State problems.

Publicity

The committee on membership, publicity and public relations among its recommendations ask that the association prepare a display for leading selected agricultural expositions during the coming Winter, and that the organization prepare a program for releases to rural press and farm trade papers and county agents on all items of pertinent interest.

Legislation

The report of the legislative committee said that during 1941 approximately forty-three bills relating to the industry had been introduced in thirty-five States. Of these bills ten were approved. The bills approved were in California, Colorado, Maryland, Nebraska, Nevada, Pennsylvania and Washington.

Export Control

Major A. N. Ziegler discussed the situation in the control of American exports, telling of the functioning of the Office of Export Control System.

Statistical Data

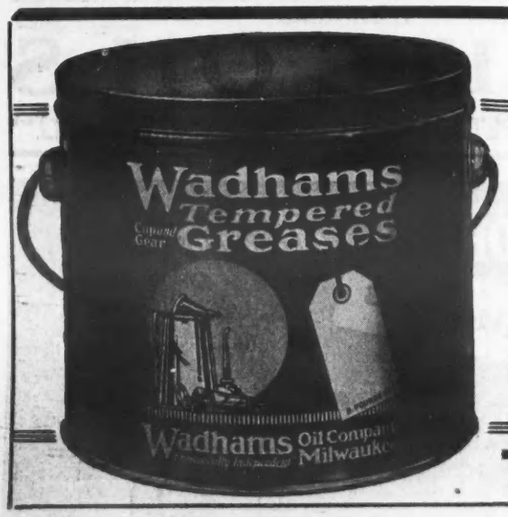
Philip H. Groggins, chief of the agricultural chemicals section of the Office of Agricultural Defense Relations, asked the industry to cooperate with the government on statistical data. These data, he said, would be of immeasurable assistance to government agencies in deciding A-10 ratings. And he was hopeful that such a rating would be made soon for the products of the industry.

Officers Re-elected

Officers re-elected were:—President, Warren H. Moyer, of the Chipman Chemical Company; vice-president, H. C. Davies, of the California Spray Chemical Corporation; treasurer and executive secretary, L. S. Hitchner.

Members of the directorate are:—

J. H. Boyd, Commercial Chemical Company; J. B. Cary, Niagara Sprayer and Chemical Company; R. E. Demmon, Stauffer Chemical Company; A. J. Flebut, California Spray-Chemical Corporation; L. S. Hitchner, Agricultural Insecticide and Fungicide Association; G. F. Leonard,, Tobacco By-Products and Chemical Corporation; H. P. Mansfield, E. I. Du Pont de Nemours & Co.; W. H. Moyer, Chipman Chemical Company; H. D. Whittlesey, the Sherwin-Williams Company.



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Fertilizer Materials

Demand for Feed Materials Continues to Dominate Market —Blood, Tankage and Fish Scrap Advanced—Chemicals Tight—1940-41 Exports Up, Imports Down

The demand for feed materials remained very heavy during the period under review and shortages were developing in some of the products. Feed tankage was exceedingly scarce and prices were advanced sharply at New York and Chicago. Dried blood, both domestic and import, was very tight and strong. Cottonseed meal was higher. Prices were so high on many of the organics last week that they will be out of the reach of fertilizer manufacturers who will start coming into the market next month.

Chemicals were moving in unchanged fashion. Tightness continued to dominate the markets for sulphate of ammonia, nitrate of soda and potash salts. There were reports that the British Purchasing Commission was buying large quantities of sulphate for use in British possessions. Cyanamid and ammonia phosphate were virtually unobtainable. All prices were steady and unchanged.

In the 1940-41 fertilizer year exports of fertilizers and fertilizer materials totaled 1,365,907 long tons, an increase of 22 percent over the 1,117,035 of the preceding year, but 9 percent under 1938-39 when 1,504,548 tons were shipped. Shipments of nitrogenous materials fell off during 1940-41, while exports of phosphate materials and potash salts were greater. Import tonnage in 1940-41 totaled 1,079,503 long tons, 27 percent below the 1,476,691 of the preceding period. Foreign trade with South America has increased considerably since the outbreak of war.

Nitrogenates

Ammonia Phosphate.—Little available. Price nominal.

Anhydrous Ammonia.—Few offerings. Price unchanged.

Calcium Nitrate. — No supplies. Prices withdrawn.

Castor Pomace.—Firm and in fair demand.

Dried Blood. — Advanced 25c. per unit at New York to $4. Chicago price up 20c. per unit to $4.30. Imported hiked 15c. per unit to $3.90.

Fish Scrap.—Some sales of dried menhaden futures reported at previous price of $4.35 and 10c., but late in the week producers advanced 15c. to $4.50 and 10c.

Hoofmeal.—Demand fair. Supply believed ample. Price steady.

Nitrogenous Material.—Market tight. Prices nominal in Midwest. Strong in East.

Nitrate of Soda.—Demand heavy. Offerings light for spot. Prices steady.

Sulphate of Ammonia.—Demand remained very heavy, with little available except to contract customers. Prices were firm and unchanged.

Tankage. — Fertilizer grade advanced 25c. per unit at Chicago to $3.75 and 10c. Feed material up 15c. at New York and 50c. at Chicago to $4.85 and 10c. and $5.50 and 10c., respectively.

Superphosphate

July production of superphosphate totaled 317,721 tons, compared with 271,877 in July, 1940, according to reports to the National Fertilizer Association. The July figure continues the trend in which production each month this year has been well above the corresponding month of 1940. Production in the first seven months of 1941 reached 2,333,556 tons, against 2,142,976 in the similar period of 1940.

Total shipments of superphosphate in July were 173,000 tons, compared with 158,944 in July, 1940. Shipments in the first seven months of the year reached 3,295,006 tons, against 2,849,758 during January-July, 1940. On July 31 total stocks were 1,137,459 tons this year, against 1,202,334 in 1940.

Prices on superphosphate continue very strong, although present indications are that they will be maintained at least until the heavy mixing season starts next month.

Price Changes

Advanced

Blood, dried, dom., f.o.b. N.Y., 25c. per unit.
f.o.b. Chi., 20c. per unit.
imp., c.i.f. ports, 15c. per unit.
Cottonseed meal, 8%, $2 per ton, Southeast mills.
Fish scrap, dried menhaden, futures, 15c. per unit.
Tankage, dom., fertilizer, f.o.b. Chi., 25c. per unit.
feed, f.o.b. N.Y., 15c. per unit.
f.o.b. Chi., 50c. per unit.

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials, on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
70.6	70.6	70.2	67.0

Market news that may have developed after this report was sent to press will be found on page 4.

Potashes

The market was very tight, with few offerings except on contract. Some resale business was reported. Prices were firm and unchanged for all grades. June exports totaled 4,319 long tons, compared with 1,303 in the same month last year. Imports were 7,417 long tons, against 10,349 in June, 1940.

Phosphates

Bone Materials.—Demand not very heavy. Shipments routine. Prices firm and unchanged.

Phosphate Rock.—Market active, with certain types unavailable. Shipments heavy. Prices steady.

Superphosphate. — In heavy demand. Offerings not extensive. Prices steady to strong.

Sulphur and Pyrites

Crude sulphur movement continued to hold to good levels. Demand was better than normal and shipments were regular and in good-sized volumes. Prices were steady and unchanged.

Markets at Other Centers

Atlanta—Sept. 19

The fertilizer material market is uncertain and hesitant due to scarcity of some materials, the cotton crop shortage and unsettled world conditions. The trend of prices, however, continues upward in organic ammoniates. Cottonseed meal is considered to have reached a height that has practically eliminated it from use in mixed fertilizers.

Superphosphate.—58c. per unit, Southeastern producing points.

Nitrate of Soda.—Bulk, ports, $30 per ton.

Sulphate of Ammonia.—Scarce, $29 per ton, ports; $28 per ton, ovens.

Cottonseed Meal.—$44 to $44.50 per ton, Southeastern points.

Blood.—Imported $3.90 per unit, port basis.

Tankage.—Imported, $4.65 and 10c. per unit, port basis.

Baltimore—Sept. 19

The market for crude fertilizer materials is fairly steady, with some of the items quite strong, and with others showing advances.

Fish Scrap.—With about 100 tons of this ammoniate disposed of at $4.35 and 10c. per unit ton, sellers are holding further offers at $4.50 and 10c. Buyers are reported to be stocked up fairly well. Spot meal is being held at $66 per ton, with some demand for future deliveries at slightly better prices.

Superphosphate.—The situation is unchanged with the output held down by a lack of sulphuric acid and with the quotations firm.

Tankage.—The market is reported to be very strong, with very little available, and with the last sale negotiated at $5 and 10c. per unit-ton.

Dried Blood.—This product is characterized by strength, with the last transaction $4 per unit-ton, an advance of 25c. over the previous level, and with the market about cleaned up at the moment. South American supplies have been bringing $3.90 per unit-ton c.i.f.

Chicago—Sept. 19

Strength in organics has been noted in the fertilizer materials market increasingly, with prices ruling at or around best levels in a long time and buyers apparently interested in obtaining more material. Blood is moving quite well. Tankage business has been fair. Bone materials are tightly held by suppliers and bids at less than quoted figures are meeting with the response that no material is available at such figures.

Blood.—Principal grade, $4.30 per unit.

Tankage.—High grade, $5.50 and 10c.; hoofmeal, $2.90 to $3; liquid stick, $1.95 to $2.

Bone Materials.—Ground, steamed bone, 1¼ and 60 percent, $40 to $42; 3 and 50 percent, $39 to $40; 4½ and 50 percent, $39 to $40; grinding hoofs, pigs' toes and waste horn materials, $40 to $42.50; cattle jaws, skulls and knuckles, $37.50 to $42.50; pork cracklings, soft pressed, $52.50 to $57.50; beef cracklings, soft pressed, $50 to $55; hard-pressed cracklings, per unit of protein, $1.05 to $1.10.

San Francisco—Sept. 19

Buying from first hands was not too active but some advanced prices were noted. This was especially true of feed materials.

Sulphate of Ammonia.—Domestic, $38 per ton in 100-pound bags.

Nitrate of Soda.—100-pound bags, $33 per ton, ex-vessel or warehouse. 167-pound bags, $32.40. Bulk, $30.

Superphosphate.—Domestic 83c. per unit in bulk, f.o.b. San Francisco. Bags, 99c.

Fish Meal.—Market strong. Trading active. San Francisco Bay, 67 percent protein, $67.50 per ton. Monterey, 65 percent protein, $65.

Tankage.—Dry-rendered, ground, 50 percent, $50 per ton, f.o.b. cars; 55 percent, $54 per ton. Unground, dry-rendered, 87½c. per unit of protein, f.o.b. cars, South San Francisco, Wet-rendered, nominally at $3.25 and 10c. per unit-ton.

Blood Meal.—$3.55 per unit, f.o.b. cars, San Francisco.

Sulphur Shipping from Gulf Allowed North of Norfolk

The United States Maritime Commission's policy of not permitting cargoes of sulphur to be loaded at Gulf ports for delivery at Atlantic ports south of Baltimore has been amended to permit the loading of cargoes for destination not south of Nolfolk, Va.

Phosphate Questionnaires Return Urged by NFA

OPD Washington Bureau
September 16, 1941

The National Fertilizer Association today urged acidulators and sulphuric acid manufacturers to fill out and return by October 1 at the latest the questionnaires designed by the government to obtain as accurate as possible a picture of the agricultural phosphate situation. The association mailed the questionnaires September 11.

Fertilizer Tag Sales: August

Equivalent tons

	P.C. of	August			P.C. of	January-August		
	1940.	1941.	1940.	1939.	1940.	1941.	1940.	1939.
Virginia	64	11,780	18,445	12,199	101	318,026	313,821	329,627
North Carolina	91	3,850	4,220	4,073	102	995,651	975,825	1,108,935
South Carolina	278	5,340	1,920	2,525	105	672,547	638,574	638,914
Georgia	119	2,242	1,890	1,458	104	746,171	714,663	666,202
Florida	126	34,998	37,777	18,697	120	400,851	334,661	308,486
Alabama	15	300	1,950	950	100	563,200	562,050	547,300
Mississippi	793	5,550	700	200	110	321,942	298,295	277,846
Tennessee	212	4,725	2,225	360	103	126,975	123,873	116,679
Arkansas	33	250	300	400	120	112,750	93,750	65,372
Louisiana	176	1,500	850	2,150	112	148,910	133,531	125,728
Texas	164	635	400	275	114	118,131	103,581	81,009
Oklahoma	400	420	105	5	107	9,800	5,853	6,403
Total South	118	71,610	60,782	42,992	106	4,534,904	4,293,477	4,267,521
Indiana	101	56,072	55,700	67,694	118	299,598	253,944	228,508
Illinois	122	5,445	4,462	6,362	129	52,446	40,660	36,087
Kentucky	88	6,566	7,489	9,550	101	104,877	104,189	102,106
Missouri	111	32,429	29,315	21,084	127	70,500	55,580	42,017
Kansas	213	8,263	3,885	7,171	160	13,861	8,683	8,626
Total, Midwest	108	108,775	100,851	111,861	117	541,282	463,056	417,344
Grand Total	112	180,385	161,633	154,853	107	5,076,186	4,756,533	4,684,865

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Ass'n of Officials Agricultural Chemists, Washington, Oct. 27-29.
American Society of Agronomy, Washington, Nov. 12-14.
National Fertilizer Ass'n, Atlanta, Ga., Nov. 17-19.

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Bids Wanted

—Continued from page 4

Corn Starch:—700,000 pounds; Bureau of Supplies & Accounts; Navy Department, Washington; schedule 8695; opening October 21.

Dinitrotoluene:—640,000 pounds; Commanding Officer, Picatinny Arsenal; procurement 494; opening September 25.

Ferromolybdenum: — 5,000 pounds; Bureau of Supplies & Accounts; Navy Department, Washington; schedule 3858; opening September 26.

Laundry Soda:—450,000 pounds; procurement division; Treasury Department, Washington; invitation 895-S3; opening September 24.

Paint Thinner:—6,600 gallons; Procurement Division, Treasury Department, Washington; invitation 877-S5; opening September 23.

Paraffine Wax:—10,500 tons; Bureau of Supplies & Accounts, Navy Department; Washington; schedule LL-3731; opening September 30.

Supplies of Salt:—Bureau of Supplies & Accounts, Navy Department; Washington; schedule 8720; opening October 21.

Salt Petre:—75 Barrels; Commanding General, Frankford Arsenal; invitation 179; opening September 22.

Sodium Bicarbonate:—12,544 pounds; Procurement Division, Treasury Department, Washington; invitation 894-S3; opening September 24.

Soda Carbonate:—40,000 pounds; Procurement Division, Treasury Department, Washington; invitation 894-S3; opening September 24.

Sulphuric Acid:—16,200 pounds; Naval Supply Depot; Norfolk, Va.; schedule 4366; opening September 30.

Zinc Oxide:—40,000 pounds; Bureau of Supplies & Accounts Navy Department; Washington; schedule 7376; opening September 26.

Defense Contracts Recently Awarded

Chemicals, oils, drugs, and related products required in connection with the program for national defense have recently been contracted for by the army and other governmental agencies to September 17 as follows:—

Army Ordnance

Barium Peroxide:—$8,775.00, Barium Reduction Corporation, S. Charleston, W. Va.

Chemical:—$4,305.00, E. I. duPont de Nemours & Co., Niagara Falls, N. Y.

Compound, Washing:—$1,112.00, E. F. Houghton & Co., Philadelphia, Pa.

Cutting Oil:—$1,278.75, Sun Oil Co., Marcus Hook, Pa.

Fuel Oil:—$3,976.19, F. L. Roberts, Inc., Springfield, Mass.

Glycerin:—$21,900.00, Hildreth Varnish Company, Brooklyn, N. Y.

Magnesium:—$1,295.00, Aluminum Company of America, New Kensington, Pa.

Oil:—$31,871.00, Delta Oil Products Company, Milwaukee, Wisconsin.

Saltpeter:—$2,581.88, Harshaw Chemical Company, Philadelphia, Pa.

Thread-Cut Oil:—$1,058.20, D. A. Stuart Oil Company, Chicago, Ill.

Army Medical Corps

Ski Wax:—$37,211.41, F. H. Weissner, Inc., Paterson, New Jersey.

Chemical Warfare Service

Anilin Oil:—$537,999.98, American Cyanamid Company, Calco Chemical Divison, New York.

Trade Briefs

J. J. Schriner has resigned as president of the Globe Steel Barrel Company, Lakewood, Ohio.

R. E. Stavert has been made a director of the Consolidated Mining & Smelting Company of Canada.

Materias Primas Industriales, S. de R. L., Mexico City, has moved its headquarters to Jose Ma. Izazaga 99-C. y D.

Phelps Dodge Corporation, this city, stockholders have approved a pension-retirement plan for all salaried employees earning $2,000 or more annually.

Magnesium Products has obtained a permit for construction of a new factory building at 1127-1129 Santa Fe avenue, Los Angeles, Calif., at a cost of $6,000.

Ralph N. Chipman, who was severely injured in the explosion in his company's plant in Portland Ore., March 25, is convalescing in the Good Samaritan Hospital, that city.

Brown Company, Boston, will borrow only $6,000,000 instead of $10,000,000 from the Reconstruction Finance Corporation, because of a substantial increase in working capital.

Jorges Mineral Products, Inc., has been organized in Los Angeles with 10,000 shares of no par value capital stock. The new corporation is represented by Paul Hitch, 742 South Hill street, Los Angeles.

Blaw-Knox Company, Pittsburgh, through its chemical processing and engineering department, has been awarded contracts totaling $3,000,000 for equipment for government sponsored synthetic rubber factories at Naugatuck, Conn., and Akron, Ohio.

Darrel E. Mack, for five years with the Niacet Chemical Corporation in Niagara Falls as chemical engineer and research chemist, has been appointed assistant professor chemical engineering at Lehigh University. Mr. Mack received his Ph.D. at Purdue University.

Shipping Information

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Imports at U. S. Ports

New York Imports

ACID, NAPHTHENIC—2,000 bbls, Standard Oil Co of N J, Aruba

ALBUMEN, BLOOD—3 bgs, E Lang, Buenos Aires

ALOE—3 cs, Curacao Trading Co, Trujillo

ANISE—192 bgs, Vera Cruz

ANTIMONY, METAL—100 cs, American Smelting & Refg Co, Tampico
98 cs, American Smelting & Refg Co, Tampico
249 cs, American Smelting & Refg Co, Tampico
ORE—818 bgs, Metal Traders, Salaverry
4,466 bgs, J Henry Schroeder Banking Corp, Arica
740 bgs, Grace Natonal Bank, Arica
583 bgs, Panco Minero de Bolivia, Antofagasta
371 bgs, Metal Traders, Callao
434 bgs, W R Grace & Co, Porto Cortes

ARSENIC—139 bbls, American Smelting & Refg Co, Tampico

ASBESTOS—1,334 bgs, J P Morgan & Co
1,333 bgs
4,000 bgs, Union Asbestos & Rubber Co

ASPHALT—340 bgs, Allied Asphalt & Mineral Corp, Havana
366 bgs, Allied Asphalt & Mineral Corp, Havana
800 bgs, Allied Asphalt & Mineral Corp, Havana

BABASSU KERNELS—1,000 bgs, General Food Sales Corp, Sao Luiz

BERILLO—834 bgs, Chase National Bank, Cabedello
1,212 bgs, Cabedello

BISMUTH, LEAD—122 bxs, Cerro de Pasco Copper Co, Callao
REFINED—196 bxs, Cerro de Pasco Co, Callao

BONE CHARCOAL—310 bgs, Hollingshurst & Co, Havana

BORAX CRYSTAL—111 bgs, British American & Eastern Co, Buenos Aires

BRISTLES—18 cs, A A Krejtman, Buenos Aires
9 cs, A S Stokby, Santos

CANARY SEED—328 bgs, Buenos Aires
417 bgs, Buenos Aires
310 bgs, H H Parker, Buenos Aires
417 bgs, Kuiper & Bolle, Buenos Aires

CARDAMOM—100 tons, P H Petry & Co, Puerto Barrios
17 bgs, W E Martin, Puerto Barrios
21 cs, P H Petry & Co, Puerto Barrios

CASEIN—417 bgs, American Cyanamid & Chem Co, Buenos Aires
185 bgs, National City Bank, Buenos Aires
176 bgs, National City Bank, Buenos Aires
417 bgs, American Cyanamid & Chem Co, Buenos Aires
784 bgs, National City Bank, Buenos Aires

CASSIA—80 bls, A G Dunn
50 bls, Wah Young Co
50 bls, B H Old & Co
100 bls, A G Dunn
100 bls, Credo Commodities Co

BROKEN—110 bls, A G Dunn
50 bls, A G Dunn
200 bls, A G Dunn
100 bls, Wah Young Co
37 bls, A G Dunn

ROLLS—175 bls, A G Dunn
100 bls, A G Dunn
300 bls, A G Dunn
400 bls, A G Dunn
300 bls, A G Dunn
175 bls, A G Dunn

CASTOR BEANS—1,700 bgs, Baker Castor Oil Co, Bahia
1,700 bgs, Bahia
1,700 bgs, Baker Castor Oil Co, Bahia
1,694 bgs, Baker Castor Oil Co, Bahia
1,700 bgs, Baker Castor Oil Co, Recife
1,665 bgs, Bunge North American Grain Co, Recife
3,400 bgs, Baker Castor Oil Co, Recife
850 bgs, Guaranty Trust Co, Cabedello
1,694 bgs, Pan-American Trust Co, Cabedello
3,333 bgs, National City Bank, Cabedello
3,400 bgs, Spencer Kellogg & Sons, Cabedello
3,392 bgs, Guaranty Trust Co, Cabedello
1,650 bgs, Baker Castor Oil Co, Fortaleza
1,610 bgs, Fortaleza
1,580 bgs, Baker Castor Oil Co, Fortaleza
1,571 bgs, Guaranty Trust Co, Fortaleza
1,827 bgs, Fortaleza
1,545 bgs, Baker Castor Oil Co, Fortaleza
1,650 bgs, Bunge North American Grain Co, Fortaleza
1,589 bgs, Guaranty Trust Co, Fortaleza
807 bgs, Bunge North American Grain Co, Fortaleza
1,080 bgs, Fortaleza

CHROME ORE—5,000 tons, E J Lavino & Co

CINCHONA BARK—250 bls, Central American Plantation Co, Puerto Barrios
23 bls, Freeman & Slater, Cristobal

COBALT COPPER RESID—3,500 bgs, Deloro Smelting & Refg Co

COCOA BEANS—1,000 bgs, W R Grace & Co, Bahia
2,000 bgs, Middleton & Co, Bahia
3,000 bgs, A C Israel Commodity Co, Bahia
6,000 bgs, Wm Bartholomew Co, Bahia
1,000 bgs, Bank of New York, Bahia
1,000 bgs, J Henry Schroeder Banking Corp, Bahia
300 bgs, Kennedy, Butcher Co
500 bgs, W R Grace & Co, Guayaquil
500 bgs, Middleton & Co, Guayaquil
327 bgs, Wessel, Duval & Co, Guayaquil
750 bgs, W R Grace & Co, Guayaquil
1,000 bgs, Brown Bros, Harrimann Co, Bahia
3,500 bgs, J Henry Schroeder Banking Corp, Bahia
714 bgs, United Fruit Co, Port Limon
56 bgs, A A Lindo & Co, Port Limon
425 bgs
16 bgs, New York, Porto Rica S S Co, Puerto Plata
468 bgs, Curacao Trading Co, Puerto Plata
270 bgs, Curacao Trading Co, Trujillo
250 bgs, A Canale, Guayaquil
28 bgs, Banque Belge pour l'Etranger

COCONUT, DESIG—2,000 cs, General Food Sales Corp
1,250 bgs, General Food Sales Corp
1,500 cs, General Food Sales Corp
1,115 pkgs, Philippine Desic Coconut Corp
216 pkgs, Durkee Famous Food
1,250 bgs, General Food Sales Corp
400 cs, General Food Sales Corp
3,880 bgs, General Food Sales Corp
970 bgs, General Food Sales Corp
2,500 bgs, General Food Sales Corp
1,372 cs, General Food Sales Corp
2,700 bgs, General Food Sales Corp
490 cs, General Food Sales Corp
575 bgs, General Food Sales Corp
555 bgs, General Food Sales Corp
1,500 cs, Philip Levy
562 cs, Balfour, Guthrie & Co
440 cs, Balfour, Guthrie & Co
720 cs, Dodwell & Co
100 cs, Wood & Selick
111 cs, Dodwell & Co
100 cs, Philippine Desic Coconut Corp
351 bgs, Philippine Desic Coconut Corp
335 bgs, Philippine Desic Coconut Corp
571 cs, Durkee Famous Food
779 bgs, Durkee Famous Food
1,112 bgs, General Food Sales Corp
2,230 bgs, General Food Sales Corp
1,114 bgs, Durkee Famous Food
521 cs, Durkee Famous Food
823 bgs, General Food Sales Corp
1,000 bgs, Durkee Famous Food
1,208 cs, Durkee Famous Food
2,210 cs, Wood & Selick
245 crtns, Wood & Selick
470 bgs, Wood & Selick
350 cs, Wood & Selick
450 crtns, Wood & Selick
2,290 bgs, Wood & Selick
520 cs, Dodwell & Co

COCONUT SHELL CHARCOAL—2,220 bgs, General Food Sales Corp

COCONUTS—1,000 bgs, General Food Sales Corp, Kingston
845 bgs, I L Toledano Corp, Cristobal

COPPER, CONC—1,810 bgs, South American Metal Co, Valparaiso
1,920 bgs, South American Metal Co, Valparaiso

CORK—1,289 cs, Armstrong Cork Co, Lisbon
1,442 crates, Armstrong Cork Co, Lisbon
2,000 cs, Armstrong Cork Co, Lisbon
695 crates, Armstrong Cork Co, Lisbon
51 bls, Cork Product Co, Lisbon
48 bls, Ontario Cork Co, Lisbon
44 bls, C Hall, Lisbon
30 bls, H E Botzow, Lisbon
5 bgs, R S L Shuttlecock Co, Lisbon
28 bls, Cork Product Co, Lisbon

BLOCK—5 bls, Ontario Cork Co, Lisbon

FLOATS—11 bls, Hinrichs & Pearsall, Lisbon

SHAVINGS—624 bls, Wicander & Co, Lisbon

VIRGIN—597 bls, Wicander & Co, Lisbon
383 bls, United Cork Co, Lisbon
317 bls, United Cork Co, Lisbon

WASTE—2,193 bls, Armstrong Cork Co, Lisbon
715 bls, Mundet Cork Corp, Lisbon
462 bls, Mundet Cork Corp, Lisbon
1,022 bls, Mundet Cork Corp, Lisbon
900 bls, Crown Cork & Seal Co, Lisbon
300 bls, Crown Cork & Seal Co, Lisbon
250 bls, Crown Cork & Seal Co, Lisbon
3,546 bls, Armstrong Cork Co, Seville

WOOD—2,073 bls, Armstrong Cork Co, Lisbon
1,185 bls, Armstrong Cork Co, Lisbon
196 bls, Armstrong Cork Co, Lisbon
1,649 bls, Armstrong Cork Co, Lisbon
494 bls, Chase National Bank, Lisbon
200 bls, Cox & Fahner, Lisbon
141 bls, Chase National Bank, Lisbon
63 bgs, New York Cuba Mail S S Co, Lisbon
522 bls, Chase National Bank Trust Co, Lisbon
240 bls, Chase National Bank Trust Co Lisbon

COTTON LINTERS—156 bls, W R Grace & Co, Callao
62 bls, W R Grace & Co, Callao
102 bls, New England Waste Co, Recife
109 bls, Cabedello
262 bls, Commercial National Bank Trust Co, Cabedello
163 bls, Cabedello
1,097 bls, New England Waste Co, Santos

RESIDUE—29 bls, Lush Cotton Product Co, Guayaquil

COTTONSEED MEAL—17,853 bgs, S Stein, Stiner & Co, Huacho

CUBEBS—80 bgs, American M O T, Inc

DERRIS ROOT—40 bls, John Powell & Co
80 bls, John Powell & Co
86 bls, S B Penick & Co
40 bls, John Powell & Co
131 bls, Balfour, Guthrie & Co

DRUGS—1 pkg, Vera Cruz

DYES, ANILEN—20 dms, Droeger Shipping Co, Lisbon
17 kegs, Carbic Color & Chem Co, Lisbon

ERGOT—40 cs, S B Penick & Co, Lisbon
40 cs, E R Squibb & Sons, Lisbon
81 dms, R J Prentiss & Co, Lisbon
22 dms, S B Penick & Co, Lisbon
59 dms, R J Prentiss & Co, Lisbon
64 dms, S B Penick & Co, Lisbon

FLAXSEED—3,660 tons, 146,400 bu, Leval & Co, Buenos Aires
3,855,720 kilos, 154,229 bu, Leval & Co, Buenos Aires
3,671 bgs, 8,076 bu, Leval & Co, Buenos Aires

FUSTIC—3 tons, 12 cwt, W & A Leaman, Kingston

GAMBIER—16 bgs, Sassoons, Inc

GENTIAN ROOT—38 bls, R Hilliers Son Co, Bilbao
278 bls, R J Prentiss & Co, Vigo

GLASS, WINDOW—965 cs, New York & Cuba Mail S S Co, Tampico
311 cs, New York & Cuba Mail S S Co, Tampico
64 cs, New York & Cuba Mail S S Co, Tampico
77 cs, New York & Cuba Mail S S Co, Tampico

GLUESTOCK—130 bls, Karch Import Co
117 bls, South American By-Product Co
31 bls, H Remis, Havana
32 bls, New York & Cuba Mail S S Co, Havana
250 bls, H Remis, Havana
116 bls, First National Bank of Boston, Havana

GLYCERIN—98 dms, Corn Exchange Bank Trust Co, Buenos Aires

GREAVES—426 cks, 2 bgs, Van Iderstine Co, Buenos Aires

GUM, COPAL—10,032 bgs, National Carloading Corp
425 bgs, Industrial Sales Corp
200 bgs, Bank of Manhattan
1,400 bgs, Banque Belge pour l'Etranger
1,001 bgs, Far Eastern Representative
350 bgs, P S Busschaert
100 bgs, Distributors & Trad Co
10 bgs, Industrial Sales Corp
1,600 bgs, P S Busschaert
4,000 bgs, National Carloading Co
300 bgs, Thurston & Braidich
750 bgs, Gillespie-Rogers-Pyatt Co
600 bgs, Guaranty Trust Co
1,000 bgs, Gillespie-Rogers-Pyatt Co
800 bgs, Banque Belge pour l'Etranger
1 bg, Crefina Trading Co
67 bgs, O G Innes Corp
140 bgs, Stroock & Wittenberg
341 bgs, France, Campbell & Darling
84 bgs, Stroock & Wittenberg
184 bgs, O G Innes Corp
63 bgs, O G Innes Corp
134 bgs, Stroock & Wittenberg
134 bgs, S Winterbourne & Co
44 bgs, G W S Patterson & Co
68 bgs, Stroock & Wittenberg
67 bgs, S Winterbourne & Co
42 bgs, G W S Patterson & Co
67 bgs, Stroock & Wittenberg
70 bgs, Gillespie-Rogers-Pyatt Co

DAMMAR—50 cs, O G Innes Corp
420 bgs, Stroock & Wittenberg, Inc
50 cs, Gillespie-Rogers-Pyatt Co
420 bgs, American Cyanamid & Chem Co
50 cs, O G Innes Corp
280 bgs, Gillespie-Rogers-Pyatt Co
420 bgs, O G Innes Corp
100 cs, Stroock & Wittenberg
420 bgs, O G Innes Corp
210 bgs, Gillespie-Rogers-Pyatt Co
420 bgs, Stroock & Wittenberg Corp
100 cs, W H Scheel
210 bgs, O G Innes Corp
150 cs, O G Innes Corp
150 bgs, Stroock & Wittenberg Corp
310 cs, O G Innes Corp
100 cs, O G Innes Corp
200 cs, Gillespie-Rogers-Pyatt Co
420 bgs, France, Campbell & Darling
115 cs, S Winterbourne & Co
210 cs, O G Innes Corp
210 bgs, Gillespie-Rogers-Pyatt Co
210 bgs, France, Campbell & Darling
192 bgs, S Winterbourne & Co
210 bgs, France, Campbell & Darling

ELEMI—141 cs, O G Innes Corp
71 cs, W H Scheel
54 cs, G W S Patterson & Co
74 cs, Fritzsche Bros

GUAIAC—11 cs, Curacao Trading Co, Trujillo

LABDANUM—18 cs, Barcelona
162 cs, Chase National Bank, Seville
6 dms, Chase National Bank, Seville

GYPSUM—2,350 tons, National Gypsum Co, Dungwall

HERRING MEAL—8,120 bgs, Iceland

HOOF MEAL—1,746 bgs, Swift & Co, Buenos Aires

IODINE—653 kgs, Tocopilla

IPECAC ROOT—29 bgs, Continental Export Co, Cristobal

IRON OXIDE—54 bbls, Garcia & Diaz, Malaga
532 bbls, C K Williams & Co, Malaga
250 bbls, Whittaker, Clark & Daniels, Malaga
200 bbls, Robinson Wagner Co, Malaga
100 bbls, J Lee Smith & Co, Malaga
125 bbls, Bank of Manhattan, Malaga
200 bbls, Reichard Coulston, Inc, Malaga
104 bbls, C K Williams & Co, Malaga
200 bbls, J Lee Smith & Co, Malaga
250 bbls, C K Williams & Co, Malaga
250 bbls, C K Williams & Co, Malaga

JALAP ROOT—52 bls, Vera Cruz
17 bls, New York Cuba Mail S S Co, Vera Cruz
35 bls, New York Cuba Mail S S Co, Vera Cruz
52 bls, New York Cuba Mail S S Co, Vera Cruz

KOLA NUTS—5 bgs, Kingston
100 bgs, D Steengrafe, Kingston
50 bgs, J Paton, Kingston

LAUREL LEAVES — 116 bls, American Ionian Corp, Puerto Barrios
1 bl, C E Peterson, Puerto Barrios
17 bls, Nordes Sales Co, Puerto Barrios

LEAD ORE—2,878 bgs, J Henry Schroeder Banking Corp, Mollendo

LICORICE ROOT—1,640 bls, Bryant & Heffernan, Seville
997 bls, Bryant & Heffernan, Seville

LIVERMEAL—552 bgs, Weaver & Hugi, Buenos Aires

LOGWOOD—22 tons, American Dyewood Co, Kingston
56 tons, 13 cwts, W & A Leaman, Kingston

MANGANESE ORE—3,877,500 kilos, Union Ore Corp

MANGROVE BARK EXTRACT—2,000 bgs, Saxe Cutch Corp
4,000 bgs, Saxe Cutch Corp
2,000 bgs, Saxe Cutch Corp
2,000 bgs, Saxe Cutch Corp

MARJORAM LEAVES—12 bls, Briones & Co, Arica
35 bls, Alfred Villagram, Arica

MEDICINAL PREPS—10 crates, E Fougera & Co, Vera Cruz

MICA—85 cs, Comp Aurifera Nazia, Mollendo
10 bgs, Comp Aurifera Nazia, Mollendo

MINERALS, CONC—825 bgs, Philipp Bros, Buenos Aires

MOLASSES, INVERT—423,359 gls, American Molasses Co, Havana

MUSK SEED—11 bgs, 1,694 lbs, Stefan, Blum & Son, Guayaquil

MUSTARD SEED—130 bgs, W R Grace & Co, Valparaiso

OCHER—43 bbls, Garcia & Diaz, Malaga

OIL, BEAN—2 dms, Chinese Consulate
CANANGA—1 dm
1 dm, Continental Bank Trust Co
6 dms, Irving Trust Co
1 dm, Continental Bank Trust Co
CASSIA—10 dms, Geo Luecders & Co
10 dms, Geo Luecders & Co
CITRONELLA — 14 dms, National City Bank
54 dms, National City Bank
23 dms, New York Trust Co
30 dms, Chase National Bank
27 dms, Chase National Bank
29 dms, Chase National Bank
COCONUT—588 long tons, Spencer Kellogg & Sons
587 long tons, Spencer Kellogg & Sons
COD—75 cks, Canada
100 dms, Canada
CODLIVER—1 pkg, Canada
COTTONSEED—700 dms, Natal
55 dms, Tradesman National Bank Trust Co, Natal
265 dms, Natal
57 dms, Natal
1 keg, Continental Overseas Trading Co
311,500 kilos, Bunge North American Grain Co, Buenos Aires
313,800 kilos, Bunge North American Grain Co, Buenos Aires
40 dms, Bunge North American Grain Co, Buenos Aires
100 dms, Union Olive Oil Co, Buenos Aires
270 dms, Swift & Co, Cabedello
CRUDE—15 dms, Texas Co, Buenos Aires
DOGFISH LIVER—1 carton, Canada
ESSENTIAL—17 dms, Barcelona
22 dms, Barcelona
15 dms, Alicante
1 dm, Dodge & Olcott Co, Vera Cruz
3 dms, W J Bush & Co, Vera Cruz
3 dms, Guaranty Trust Co, Vera Cruz
5 cs, W J Bush & Co, Vera Cruz
5 bbls, H A Sothern, Puerto Barrios
1 cs, Chase National Bank, Seville
FUEL—110,000 bbls, Standard Oil Co of N J, Aruba
94,985 bbls, Asiatic Petroleum Corp, Aruba
3,989,385 gls, Asiatic Petroleum Corp, Aruba
GERANIUM—2 dms, Banque Belge pour l'Etranger
LAVENDER—3 dms, Ph Chalayer, Lisbon
LEMONGRASS—4 cs, P H Petry & Co, Puerto Barrios
LIME DIST—2 cs, Gillespie & Co, Kingston
NEATSFOOT—65 dms, W R Grace & Co, Buenos Aires
OITICICA—123 dms, Cabedello
124 dms, Brown Bros-Harrimann Co, Cabedello
247 dms, Cabedello
122 dms, Brown Bros-Harrimann Co, Cabedello
OLIVE—1,250 dms, Comex Trading Co, Seville
500 cs, Comex Trading Co, Seville
PALM—693 tons
430 tons, Balfour, Guthrie & Co
429 tons, Balfour, Guthrie & Co
PATCHOULI — 4 dms, Continental Bank Trust Co
4 dms, Guaranty Trust Co
9 dms, Irving Trust Co
PETITJEAN—20 dms, Guaranty Trust Co, Buenos Aires
PIMENTO LEAF—2 dms, J A Manton, Kingston
RAPESEED—324,250 kilos, Bunge North American Grain Co, Buenos Aires
325,000 kilos, Bunge North American Grain Co, Buenos Aires
SEAL—396,957 kilos, Greenland
SHARK LIVER—35,786 kilos, Greenland
VEGETABLE—1 dm, Corn Exchange Bank Trust Co, Seville
VETIVER—1 dm, Bank of Manhattan
1 dm, Irving Trust Co
WALRUS—7,367 kilos, Greenland

PATCHOULI LEAVES—36 bls, F B Ross & Co

PEPPER—234 bgs, Tampico
104 bgs, Tampico
BLACK—1,276 bgs, The Avia Co
52 bgs, C T Wilson & Co, Vera Cruz
1,276 bgs, The Avia Co
26 bgs, Sassoons, Inc
DWARF—120 bgs, Pan American Commi Co, Valparaiso
194 bgs, Pan American Commi Co, Valparaiso
WHITE—180 bgs, J Barlage & Co
700 bgs, O Gardau Co
28 bgs, Sassoons, Inc
1,260 bgs, Joosten & Janssen

PIMENTO—50 bgs, Banco de Chile, Valparaiso
20 bgs, W E Martin, Puerto Barrios

QUEBRACHO EXTRACT—2,010 bgs, The Tannin Corp, Buenos Aires

QUICKSILVER—5 flasks, New York & Cuba Mail S S Co, Vera Cruz
15 flasks, New York & Cuba Mail S S Co, Vera Cruz
50 flasks, New York & Cuba Mail S S Co, Vera Cruz
5 flasks, New York & Cuba Mail S S Co, Vera Cruz
15 flasks, New York & Cuba Mail S S Co, Vera Cruz

RAPESEED—224 bgs, Bunge North American Grain Co, Buenos Aires
560 bgs, Bunge North American Grain Co, Buenos Aires

ROOT, MED—9 bgs, Tampico

ROSEMARY LEAVES—143 bls, Corn Exchange Bank Trust Co, Alicante

RUTILE—689 bgs, Philadelphia National Bank, Fortaleza

SAFFRON FLOWERS—55 bgs, M E Schoen & Co, Puerto Prince

YOU, too, should have your imports listed here for the information of OPD readers—it costs you nothing.
Mail lists of arrivals promptly and regularly, or telephone them — REctor 2-9820.

SAGE LEAVES—886 bls, Alicante
SAGO FLOUR—361 bgs, V G Rhoades Co
SARSAPARILLA ROOT—16 bgs, Tampico
SCHEELITE—551 bgs, Philipp Bros, Arica
100 dms, Metal Reserve, Buenos Aires
SESAME SEED—300 bgs, East Asiatic Co
254 bgs, Sagal Brokerage
180 bgs, East Asiatic Co
240 bgs, East Asiatic Co
300 bgs, East Asiatic Co
SILVER SULPHIDE—88 bgs, J Henry Schroeder Banking Corp, Antofagasta
SIMARUBA BARK—1 bg, Kingston
SODA NITRATE—2 cs, Chilean Nitrate Sales Corp, Tocopilla
SPONGES—3 bls, J Bloch, Inc, Havana
REFUSE—6 bls, J Bloch, Inc, Havana
TANKAGE—327 bgs, Wessel, Duval & Co, Buenos Aires
459 cakes, 1 bg, Buenos Aires
2,032 bgs, Tupman-Thurlow Co, Buenos Aires
1,198 bgs, Buenos Aires
1,003 bgs, H M Rubin, Buenos Aires
500 bgs, Wessel, Duval & Co, Buenos Aires
500 bgs, Tupman-Thurlow Co, Buenos Aires
508 bgs, Buenos Aires
4,000 bgs, Bradley & Baker, Buenos Aires
2,294 bgs, Weaver & Hugi, Buenos Aires
4,064 bgs, Tupman-Thurlow Co, Buenos Aires
1,107 bgs, Buenos Aires
2,000 bgs, Buenos Aires
TANTALITE—50 bgs, Cabedello
26 bgs, Philadelphia National Bank, Cabedello
TAPIOCA FLOUR—250 bgs, Irving Trust Co, Havana
7,630 bgs, 2 bxs, Corn Product Refg Co, Puerto Plata
TARA—210 bgs, W R Grace & Co, Salaverry
POWDER—407 bgs, I Herman, Salaverry
290 bgs, The Tannin Corp, Salaverry
TARTAR—297 bgs, Charles Pfizer & Co, Barcelona
190 bgs, Charles Pfizer & Co, Barcelona
THYME LEAVES—33 bls, Antonia Garcia, Bilbao
40 bls, Alicante
320 bls, Kachurin Drug Co, Alicante
206 bls, Alicante
TIN FOUNDRY DUST—333 bgs, C P Hull & Co, Tampico
FOUNDRY RESIDUE—71 dms, C P Hull & Co, Tampico
RESIDUE—600 bgs, C P Hull & Co, Tampico
TUBA ROOT—96 bls, R J Prentiss & Co
TUNGSTEN ORE—200 bgs, Banque Belge pour l'Etranger
UVA URSI LEAVES—308 bls, Peek & Velsor, Alicante
WATTLE BARK, EXTRACT—1,000 bgs, International Product Co
1,344 bgs, Hammond & Carpenter
544 bgs, Hammond & Carpenter
WAX, BAYBERRY—50 bgs, D Steengrafe, Buenaventura
BEES—130 bgs, W R Grace & Co, Valparaiso
39 bgs, Havana
7 bgs, Tampico
13 bls, Gillespie & Co, Puerto Barrios
20 bgs, Port au Prince
22 bgs, Geck Trading Corp, Havana
13 bgs, Schutte & Focke, Trujillo
71 bgs, Curacao Trading Co, Trujillo
40 blocks, H R Potter & Co, Trujillo
CANDELILLA—382 bgs, M Argueso & Co, Tampico
381 bgs, M Argueso & Co, Tampico
254 bgs, M Argueso & Co, Tampico
381 bgs, M Argueso & Co, Tampico
CARNAUBA—56 bgs, I R Boody & Co, Recife
57 bgs, I R Boody & Co, Recife
55 bgs, Wm M Allison & Co, Natal
10 bgs, Pratt & Brake Corp, Fortaleza
256 bgs, Wm M Allison & Co, Brazil
MONTAN—200 bgs, Innis, Speiden & Co, Lisbon
OURICURY—63 bgs, Wm M Allison & Co, Brazil
WINE LEES—1,219 bgs, Charles Pfizer & Co, Alicante
1,255 bgs, Charles Pfizer & Co, Alicante
2,755 bgs, Charles Pfizer & Co, Huelva
45 bgs, Standard Brands, San Antonio
WOLFRAM CONC—550 bgs, Metal Traders, Antofagasta
ORE—478 bgs, Bank of Manhattan, Mollendo
631 bgs, Bank of Manhattan, Mollendo
184 bgs, Wah Chang Trading Co
9,000 bgs
7,000 bgs
WOLFRAMITE ORE—422 bgs, Irving Trust Co, Buenos Aires
WORMWOOD LEAVES—20 bls, Limpex, Inc, Puerto Barrios
YEAST—1 pkg, Standard Brands, Inc, Havana
ZINC, OXIDE—600 bgs, Robinson-Wagner Co, Vera Cruz

New York Transit Imports

CASSIA ROLLS—100 bls, Stickney & Poor Spice Co, to Boston
COCONUT, DESIC—969 pkgs, American Trust Co, to San Francisco
350 bgs, American Trust Co, to San Francisco
890 cs, to San Francisco
500 bgs, American Trust Co, to San Francisco
50 cs, Dodwell & Co, to Boston
COCONUT SHELL CHARCOAL—1,050 cs, American Oversea Corp, to San Francisco
CONCENTRATES — 2,749 pkgs, American Smelting & Refg Co, to San Francisco
COTTONSEED MEAL—20,000 bgs, West Texas Cotton Oil Co, Pisco, Houston
DERRIS ROOT—1 cs, H W Peabody & Co, to San Francisco
GUM, DAMMAR—140 bgs, Gillespie-Rogers-Pyatt Co, to Canada
IRON ORE—1,243 tons, E J Lavino & Co, to Chester
1,757 tons, E J Lavino & Co, to Chester
NUTGALLS—168 bgs, J S Young Co, to Baltimore
175 bgs, J S Young Co, to Baltimore
88 bgs, J S Young, to Baltimore
OIL, ESSENTIAL—3 dms, Vera Cruz, New Brunswick
SESAME SEED—100 bgs, W G Scarlett & Co, to Baltimore
TALLOW—355 bbls, L Stern Sons, Buenos Aires, Kearney
TANKAGE—2,000 bgs, McMillen Seed Mills, Buenos Aires, Fort Wayne, Indiana

Baltimore Imports

ASPHALT—56,919 bbls, Tampico
CHROME ORE—1,100 tons, Beira
448 tons, Lourenco Marques
4,000 tons, Masinloc
COPRA—3,500 tons, Cebu
GASOLINE—58,697 bbls, Asiatic Petroleum Corp, Trinidad
72,739 bbls, Asiatic Petroleum Corp, Aruba
GREASE WOOL—708 bls, Port Elizabeth
IRON ORE—3,500 tons, Bethlehem Steel Co, Daiquiri
22,260 tons, Bethlehem Steel Co, Cruz Grande
4,450 tons, Masinloc
22,250 tons, Bethlehem Steel Co, Cruz Grande
MANGANESE ORE—3,750 tons, Santiago, Cuba
2,800 tons, Montevideo
1,300 tons, Rio Janeiro
1,500 tons, Bombay
MOLASSES—1,006,190 gals, Cuba Distilling Co, Santiago, Cuba
459,863 gals, Cuba Distilling Co, Palo Alto, Cuba
1,356,973 gals, Cuba Distilling Co, Port Tarafa
OIL, COCONUT—600 tons, Manila
PETROLEUM, CRUDE—103,791 bbls, Standard Oil Co of N J, Las Piedras
WAX, BEES—365 bgs, Rio Grande do Sul

New Orleans Imports

COCONUTS— 10 tons, Belize
13 tons, Tela
GUM CHICLE—31 tons, Belize

Philadelphia Imports

BAUXITE ORE—2,060 tons, General Chemical Co, Paramaribo
265 tons, Port of Spain, Trinidad
BONE GRIST—4,490 bgs, Philadelphia National Bank, Buenos Aires
1,762 bgs, Buenos Aires
BONES—3,373 bgs, Santos
1,789 bgs, Buenos Aires
CANARY SEED—84 bgs, Buenos Aires
CASEIN—2,040 bgs, Casein Company of America, Buenos Aires
417 bgs, Chemical National Bank & Trust Company of New York, Buenos Aires
COCOA BEANS—72,202 bgs, Freetown
CRACKLING GROUND—2,204 bgs, J Henry Schroeder Banking Corp, Buenos Aires
FLAXSEED—754 bgs, Buenos Aires
MANGANESE ORE—3,000 tons, Durban
OIL, COTTONSEED—336 cs, Tradesmens National Bank & Trust Co, Buenos Aires
NEATSFOOT—210 dms, Buenos Aires
31 trcs, 87 dms, Buenos Aires
PETROLEUM, CRUDE—123,445 bbls, Gulf Oil Corp, Puerto la Cruz
105,739 bbls, Gulf Oil Corp, Puerto la Cruz
126,636 bbls, Gulf Oil Corp, Puerto la Cruz
87,000 bbls, Sinclair Navigation Co, Tuxpan
76,000 bbls, Sinclair Navigation Co, Tuxpan
75,312 bbls, Gulf Oil Corp, Puerto la Cruz
QUEBRACHO EXTRACT—4,841 bgs, First National Bank of Boston, Buenos Aires
10,824 bgs, The Tannin Corp, Buenos Aires
1,000 bgs, International Products Corp, Buenos Aires
TANKAGE—6,272 bgs, Buenos Aires
ZIRCONIUM ORE—1,007 sacks, Santos

Exports from U. S. Ports

New Orleans Exports

ACID, MURIATIC—3 tons, Celba
STEARIC—28 tons, Vera Cruz
ALUMINA SULPHATE—84 tons, Vera Cruz
BARYTES—151 tons, Havana
GREASE, PETROLEUM—35 tons, Vera Cruz
OIL, DIESEL—71 tons, Puerto Cabezas; 99 tons, Celba
FUEL—273 tons, Celba
LUBRICATING—10 tons, Celba; 15 tons, Vera Cruz; 23 tons, Cristobal
PALM, CRUDE—21 tons, Celba
ROSIN—28 tons, West Coast South America; 18 tons, Barranquilla; 34 tons, Cartagena
SODA CAUSTIC—772 tons, Vera Cruz
SULPHUR—23 tons, Vera Cruz
WAX—106 tons, Vera Cruz

Philadelphia Exports

ACID, PHOSPHORIC—40 bbls, 28 cartons, Santos
ANTIKNOCK LIQUID—43 dms, Montevideo
BENZOL—15 dms, Montevideo; 100 dms, Buenos Aires
DYEWOOD EXTRACT — 30 dms, 6 bbls, Santos; 3 bbls, Buenos Aires
CHIPS—45 bgs, Buenos Aires
GREASE—20 bbls, 10 cs, Santos; 25 pails, 5 bbls, 70 dms, 201 cs, Rio Grande
OIL, LUBRICATING — 22 dms, 1,525 cs, Montevideo; 565 cs, 52 bbls, 540 dms, Santos; 334 dms, 4,999 cs, Rio Grande; 50 cs, Rio Grande
SODA, CAUSTIC—150 dms, Santos
SILICOALUMINATE — 4,150 bgs, Buenos Aires
XYLOL—50 dms, Buenos Aires

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—76,316 bbls, Avon; 37,503 bbls, Richmond; 37,314 bbls, Tacoma; 2,758 bbls, Tacoma; 75,829 bbls, Oakland; 56,723 bbls, Richmond; 2,750 bbls, San Diego; 8,022 bbls, San Diego; 1,785 bbls, San Diego; 365 bbls, San Diego; 2,201 bbls, San Diego; 3,500 bbls, San Diego; 1,432 bbls, San Diego; 59,829 bbls, Portland; 67,680 bbls, Seattle
OIL, DIESEL—15,606 bbls, Tacoma; 1,320 bbls, San Diego; 13,677 bbls, Portland; 3,926 bbls, Seattle
FUEL—68,870 bbls, Seattle; 69,662 bbls, Portland; 2,772 bbls, Portland
FURNACE—2,656 bbls, Tacoma; 6,636 bbls, Portland; 2,020 bbls, Seattle

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Butyric fat:—The duty-free importation from Argentina into Uraguay of a maximum amount of 15,000 kilograms of butyric fat for making butter has been authorized.

Chemicals: — The importation into Syria and Lebanon of an additional list of chemicals and raw materials for industrial use has been made subject to special permit.

Essential Oils:—Licenses are required for the exportation from France of specified essential oils. The products affected are volatile oils or essences, santalol, anethol, safrol, resinoids. eugenol, isosafrol, terpened carbides.

Import-duty drawback:—A project of law in Argentina proposes to extend the import-duty drawback system to all raw materials and semi-manufactured and manufactured products which are reexported as an integral part of products manufactured by domestic industry in Argentina.

Insecticides:—The importation and exportation of vegetables and parts thereof, other agricultural products, insecticides, and fungicides into or out of Paraguay is subject to a special permit.

Nonferrous Metal:—An organization committee to control the entire industry and trade in non-ferrous scrap metal has been formed in France by a decree of July 9, 1941, published in the Journal Officiel of July 11.

Oil Seeds:—Uruguay permits the importation of oil seed in an amount sufficient to meet domestic requirements only. Imports will be subject to payment of a variable import tax equivalent to the amount by which the import value of the seed is lower than the following prices; sunflower or turnip seed, 8.50 pesos per 100 kilogram; unshelled peanuts, 12.00 pesos per 100 kilograms; shelled peanuts, 16.50 pesos per 100 kilograms; and cottonseed, 7.50 pesos per 100 kilograms. If the import value is greater than the prices indicated, the import operation may be authorized subject to an import tax of 1 percent ad valorem.

Parcel Post:—Service from the United States to Cyprus has been resumed.

Petroleum Products: — An exceptional price-equalization tax, varying with the product, has been established in France on stocks of petroleum derivatives, benzol, hydrated and dehydrated alcohol intended for carburation.

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended September 17

Balsam, Nicaraguan, 31 cases; restricted use.
Belladonna, leaf and root, 51 bales; not U.S.P.
Cassia oil, 16 drums; not U.S.P.
Cocoa beans, 31 bags; moldy.
Codliver oil, 4,892½ kilos; 48 drums; restricted use.
Cod oil, 150 drums; restricted use.
Laurel leaves, 414 bags; moldy.
Marjoram, 12 bales; filthy.
Medicinal preparations, 4 parcels, 2 cases; new drug.
Poppy seed, 594 bags; insect-infested.
Seal oil, 874 barrels; 328,164 kilos; restricted use.
Sesame seed, 168 bags; insect-infested.
Shark oil, 794 barrels; restricted use.
Turmeric, 320 bags; worm-eaten.

Boston

Week Ended September 17

Cod oil, 28,953 gallons; restricted use.
Medicinal preparation, 1 parcel; false therapeutic claims.

Buffalo

Week Ended September 17

Medicinal preparations, 2 parcels; not properly labeled.

Export Control Division Transferred

—*Continued from page* 5

ing from overseas, so that we shall have adequate reserves for our total defense in the difficult years ahead of us.

The economic defense board will provide a central clearing service to which exporters, manufacturers and foreign importers may submit proposals for the export of materials and commodities. In addition it will also obtain clearance for such proposals from the several Federal agencies concerned with the control of exports and related financial transactions.

In addition to the original function of the Export Control Division of keeping materials from the Axis powers, and the duty of acting as a clearing house for exporters, manufacturers, and foreign importers, the agency has been directed to "obtain, develop and determine overall estimates of materials and commodities required for export purposes in the interest of the economic defense of the nation."

It is the intention to spread shortages of nonessential materials as evenly as possible throughout the Western Hemisphere. SPAB will be charged with the rationing of shortages in this country, while EDB will allocate shortages among the other American republics.

Duty Exemption Asked For Defense Imports

—*Continued from page* 5

by RFC and its subsidiaries, it was pointed out today that under the terms of this measure duty-free stockpiles of these materials could be built up which could be released on the open market at the end of the present emergency.

As reported to the house the bill would include any material or commodity which might be needed in the national defense program. It is expected that the farm bloc will attempt to amend the measure to eliminate agricultural products from the list which might be imported duty-free.

Export Control Now Has Follow-up Section

OPD Washington Bureau
September 15, 1941

Brigadier General Russell L. Maxwell, Administrator of Export Control, has announced the recent establishment of a follow-up section in his office to further extend assistance to defense agencies and manufacturers in obtaining strategic and critical materials essential to the defense program.

The follow-up section collects data on the description and location of articles and commodities for which export license has been denied. These data are then made available to the governmental agencies concerned, who may negotiate for the purchase of the material, or, if negotiations fail, ask the Army and Navy Munitions Board to initiate requisitions under the requisitions act of October 10, 1940.

Foreign-Owned Property Report Deadline Extended

OPD Washington Bureau
September 18, 1941

The Treasury Department today announced that in response to many requests it has extended until October 31, 1941, the time for filing the census reports of foreign-owned property on Form TFR-300. The census was ordered by the Secretary of the Treasury with the approval of the President on June 14, 1941, simultaneously with the issuance of the Executive Order freezing the assets of all countries in continental Europe not previously blocked.

Samuel L. Hudson, assistant advertising manager of the calcium chloride division of the Solvay Sales Company, this city, will resign October 1. Mr. Hudson, who has been connected with the company for five years, plans to move to Seattle, Wash.

Industrial Uses of Chemicals and Related Materials

("Where You Can Sell")

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(Parenthetical figures are the numbers of patents in the United States or other countries, as designated)

6-Acetamido-2-paramethyl-betahydroxyethylamino-1-methylquinolinium Methiodide

Pharmaceutical

Claimed (Brit. 495783) to be—
Therepeutically valuable as a trypanocide more soluble and less toxic than known 2-styrylquinolinium salts

Alphamethylstyrene

Chemical

New chemical available for experimental use

4-Chlor-3-ethyl-5:6-benzoquinolin

Pharmaceutical

Claimed (Brit. 481874) to be—
Useful in destroying blood parasites (malaria), amebae, and worm infections

Dehydrobenzoylacetic Acid

Chemical

New chemical available for experimental use

10-Gammadiethylaminobutylamino-7-ethoxy-3-methyl acridin Citrate

Pharmaceutical

Claimed (Brit. 363392, 441007, and 441132) as—
New pharmaceutical product

Isobutyldecoisopropylamide

Insecticide

Toxic agent (Brit. 503490 and 503507) in—
Insecticidal preparations

4-Methyl-7-chlorhydrindene

Chemical

New chemical available for experimental use

Papaya

(Papoid, Pawpaw)

(Fine grayish powder, enzyme (papain, papayin, papayotin, vegetable pepsin), fresh juice, dried juice, fresh pulp, candied pulp, homogenized pulp and juice, tenderizing solutions, syrup, prepared from the fruit of the tropical shrub Carica papaya L. (often called the melon tree) found in Florida, Central and South America, and Ceylon and other parts of the tropical world—the fruit and all parts of the tree contain a milky juice, or latex, which in turn contains the enzyme, but which is present only in the fruit in sufficient quantity to warrant recovery—the enzyme is claimed to digest proteins and to act in the stomach in a manner similar to that of pepsin)

Beverage

Base for—
Health drinks
Flavoring agent for—
Soft drinks

Dairying

Digestant and flavoring agent in—
Milk products

Food

Base, digestant, and flavoring in—
Candies, sweatmeats, and the like
Desserts of various kinds
Dressings for cottage cheese salads
Fillings for pastries, tarts, pies
Fruit-like ingredients for cakes, cookies, puddings, pastries, and other bakers' products
Glazes for meats, cakes, vegetables
Ice cream, sherbets, ices
Infant milks and foods
Invalid milk foods and beverages
Base, digestant, and flavoring in—
Icings, fillings, and the like
Meat relishes
Preserves, jams, and jellies
Sauces for meats, vegetables, puddings
Substitute (as candied pulp) for—
Citron (claimed to be (1) almost identical to citron in texture (2) sweeter than citron (3) different in taste)
Ginger (claimed to be not unlike preserved ginger)
Tenderizing agent for—
Meat (claimed to reduce it to a fork-cutting condition)
(See also "Meat Packing")

Meat Packing

Tenderizing agent for—
Meat (acts as predigester and softener for the fibrous muscular part of the meat—papain solution is claimed (1) to be capable of tenderizing 100 pounds of fresh meat per pint, (2) not to introduce any off-taste in the meat)

Pharmaceutical

In compounding and dispensing practice

Propyl-Mercury Oleate

Rubber

Preservative (Brit. 499578) for—
Latex

Sodium Hexadecylsulphate

Miscellaneous

Dispersing agent
Emulsifying agent
Leveling agent
Penetrating agent
Scouring agent

Textile

Dispersing, emulsifying, leveling, penetrating, and scouring agent in—
Bleaching processes
Boiling operations
Coating processes
Degreasing operations
Degumming fibers
Dyeing operations
Kier boiling
Mercerizing
Scouring fibers
Sizing processes
Soaking processes
Washing operations

Sodium Laurylsulphonate

(Additional uses—supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of this page)

Agricultural

Emulsifying agent in—
Mineral oil horticultural sprays

Insecticide and Fungicide

Emulsifying agent in—
Mineral oil sprays

Textile

Dispersing, emulsifying, leveling, penetrating, or scouring agent in—
Bleaching processes
Boiling operations
Coating processes
Degreasing operations
Degumming fibers
Dyeing operations
Kier boiling
Mercerizing
Scouring fibers
Sizing processes
Soaking processes
Washing operations
Processing agent claimed to—
Assist in production of level dyeings
Impart good handle and feel to wool
Minimize the danger of rancid fabric and spots upon subsequent dyeing
Possess good detergent properties
Promote easy rinsing
Resist oxidation and hard water
Resist precipitation by acids

Sulphonated Oils

(Animal or vegetable oils which have been treated with strong sulphuric acid, washed, and then neutralized—the use of these oils is very widespread and new uses for them in industry are being found every day)

Adhesives

Dispersing, plasticizing, and softening agent in—
Adhesive preparations

Building Construction

Emulsifier for—
Asphalt used in cement waterproofing, roofing compounds, and the like

Ceramic

Mold lubricant in making—
Clay insulators
Reducer of—
Rejects (because of sticking effects) in making molded clay products

Cosmetic

Base and emulsifying agent in making—
Hair slicking preparations
Hand lotions
Permanent wave preparations
Shampoos
Toilet lotions
Emulsifier and softening agent in making—
Cold creams
Lipsticks
Massage creams
Theatrical make-up greases
Wax grease paints

Disinfectant

Emulsifying agent for—
Deodorizing compositions
Disinfecting compositions
Germicidal compositions

Fats, Oils, and Waxes

Emulsifying agent in making—
Buffing compounds

Gums

Plasticizer and softening agent for—
Gums

Ink

Emulsifying agent in—
Inks

Insecticide

Emulsifying agent in making—
Spray products (said to be less apt to injure plants by reason of extreme dilution due to dispersion)

Laundering

Lubricating agent for—
Starch
Promoter of—
Antisticking in ironing operations

Leather

Dispersing, emulsifying, penetrating, and leveling agent in—
Dyeing processes
Emulsifier and softening agent in—
Dressing compositions
Finishing compositions
Emulsifying agent in making—
Fat liquors used to replace lost natural oils

Lubricant

Emulsifying agent in making—
Cutting oils (said to permit giving twofold effect both as lubricant and heat conductor)
Lubricants of various kinds

Miscellaneous

Cleansing agent for—
Tanks, kettles, agitators, autoclaves, mixing machines and other processing equipment smeared, dirtied, or coated with fats, greases, glues, gummy residues, and various kinds of sludges, and like substances
Defoaming agent in—
Various processes for nitrogenous bodies
Dispersing, emulsifying, penetrating, and leveling agent in—
Dyeing processes for furs
Emulsifying and dispersing agent in—
Automobile polishes
Floor polishes
Furniture polishes
Shoe polishes and creams
Wood polishes
Lubricant for—
Furs
Gums
Starch
Various materials which tend to become dry and friable
Plasticizer and softening agent for—
Starch
Various materials which tend to become dry and friable

Oral Hygiene

Emulsifier and softening agent in making—
Dentifrices
Tartar-film remover in—
Dentifrices (by emulsification)

Paint, Varnish, and Lacquer

Emulsifying agent in making—
One-coat wall primers and other paints containing a certain amount of water emulsion

Paper

Consistency improver for—
Sizing compositions
Defoaming agent for—
Coating compositions
Dispersing, emulsifying, penetrating, and leveling agent in—
Dyeing processes
Flow improver for—
Sizing compositions
Lubricant for—
Sizing compositions
Spreading-quality improver for—
Sizing compositions

Printing

Defoaming agent for—
Glue in decalcomanie processes

Soap

Base and dispersing agent in—
Detergent preparations
Base, emollient, emulsifier, and softening agent in—
Brushless shaving creams
Lathering shaving creams and soaps

Textile

Dispersing, emulsifying, penetrating, and leveling agent in—
Dyeing processes for textile fabrics
Oiling preparations for use in winding, weaving, and knitting
Scouring compositions
Lubricant for—
Silk stock during carding and spinning operations
Wool stock during carding and spinning operations
Plasticizer and softening agent for—
Silk
Sizing compounds
Reducer of—
Static electricity, fly, and waste creation during carding and spinning operations

Theatrical

Emulsifying agent in making—
Aromatic sprays for treating air in theaters, auditoriums, concert halls, and the like

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WANTED to be Pacific coast representative for chemical merchandise used in factories, saw-mills, paper-mills, forest service, shipyard and connected industries. Sig Ross, 1008 N.W. 18th avenue, Portland, Oregon.

CHICAGO SALES organization with large warehouse, siding and ample capital is open for sales arrangements on chemicals, pigments, fillers and solvents on either agency basis or out-right purchases. BOX 370, Oil, Paint and Drug Reporter.

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Equipment Offered

FOR SALE:—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FOR SALE:—3 12x32 Day 5-roller mills, motor driven; pony mixers, 8 to 80 gals.; 3 Kent 8-in. lab., and 5 Ross, 26-in. stone mills with iron mill feeds; pebble mills, lab. to 700 gals.; Day jumbo 700 and 1,250 gals. jacketed mixers; 30 filter presses, 12 in. to 36 in.; powder mixers, 100 to 2,000 lbs.; W. & P. mixers, lab. to 200 gals.; copper and aluminum kettles, 10 to 250 gals.; dryers; Sweetland filters, etc. Send for complete bulletins. Brill Equipment Corporation, 183 Varick Street, New York City.

CENTRIFUGE 40 in. Tolhurst, copper basket bottom discharge and unloader; 54 in. x 48 in. and 6 ft. x 8 ft. silex lined pebble mills; 235 gal. stainless steel still with condenser. Lawler Company, Metuchen, N. J.

FOR SALE: Slightly used colloid mill equipped with two GE 15 horsepower motors AC 220 volts, 60 cycles, 3 phase, 3510 RPM, at full load, stone discs 7 in. in diameter, with bedplate, plate and control device for regulating distances between stones. Everseal Mfg. Co., Inc., 250 West 57th street, New York, N. Y.

Equipment Offered

FIND what you want right in New York City. Pony mixers, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms - Harvey Equipment Company, 123 Bleecker street. SPring 7-8955.

FOR PROMPT delivery:—Sharples No. 6 clarifier, monel bowl; Ertel center screw, 20 disc filter; Pfaudler 1,700 gallon tank; Shriver 18 in. and 24 in. filter presses; Day 20 gallon jacketed mixer; Ferguson automatic packaging machine, mixers and sifters to 800 lb. capacity; steel storage tanks 4,000 gallon to 150,000 gallon capacity; cabinet dryers, etc. Send us list of your surplus. Machinery & Equipment Corporation, 59 E. 4th street, New York City.

FOR IMMEDIATE Disposal: Two 2B-Colton single punch tablet; one 3B-Colton single punch tablet; one Mulford single punch tablet; one Stokes capsule for 0-1-2-3; one Stokes mixer; one drug mill; complete with punches, dies, hangers, pulleys. Bargain price. BOX 371, Oil, Paint and Drug Reporter.

Equipment Wanted

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 335, Oil, Paint and Drug Reporter.

WANTED:—An Oliver continuous filter press, 3 ft. diameter by 4 ft. face or larger, preferably with agitator, with or without accessories. A micro pulverizer 8 in. or larger. No dealers. Box 362, Oil, Paint and Drug Reporter.

WANTED:—One, 750-1,500 gal. monel, stainless steel, copper or glass lined, vacuum pan: complete with vapor pipe and condenser, with geared drive gate stirrer preferred. The heating element can be either coil or jacket. Must withstand 29 in. of vacuum. BOX 367, Oil, Paint and Drug Reporter.

Manufacturing Wanted

OLD ESTABLISHED firm manufacturing chemicals and chemical specialties interested in manufacturing additional products. Sales connections desirable. Defense materials of interest. BOX 337, Oil, Paint and Drug Reporter.

Materials Offered

FOR SALE dark blood albumen crystals. About 30,000 pounds packed in 100 pound bags. Box 358, Oil, Paint and Drug Reporter.

FOR SALE—1,700 high grade, brass wire test tube brushes, white bristle with small sponge on end. Sell at $7.20 per gross. Special price for entire lot for cash. BOX 365, Oil, Paint and Drug Reporter.

Materials Offered

ONE HUNDRED tons per day silica material 300 mesh plus sacked—low price. 2,000 gallons liquor containing 35% pure sodium chromate (solid); 100 tons vermiculite, 1,000 tons wavelite 88 percent, 10,000 tons iron ore 60% plus. BOX 366, Oil, Paint and Drug Reporter.

HAVE 24 barrels '124-126 crude white scale wax,' packed in wooden barrels. Will receive offers for all or part of this. Johnston Brokerage Company, Box 936, Birmingham, Alabama.

Materials Wanted

WILL PURCHASE your surplus and discontinued lots of chemicals, oils, waxes, dyes, intermediates, dry colors, greases, metals and other raw materials and by-products. Also entire plants. Consult inventory and plant superintendent. Barclay Chemical Co., Inc., 75 Varick street, New York. Telephone WAlker 5-4250.

INTERESTED in offers surplus lots lithopone 30%; titanium dioxide, pure; zinc sulphide; steam distilled pine oil; raw linseed oil foots; Manila gums. P. O. Box 151, Trenton, N. J.

Positions Vacant

CHEMIST, with lithographic—printing ink color-matching experience. Give full details as to age, educational background, experience, salary, etc. Location N. J. ,Box 351, Oil, Paint and Drug Reporter.

BUYER industrial chemicals wanted for Washington work. All replies considered confidential. State experience, qualifications, business connections. Salary $5,000-$5,500, depending upon ability. BOX 368, Oil, Paint and Drug Reporter.

Positions Wanted

MECHANIC with 15 years experience reconditioning punches and dies desires steady position with tablet manufacturer who appreciates first class work. A-1 references. Go anywhere. Box 350, Oil, Paint and Drug Reporter.

ABLE SEASONED Chemist, DSc., experienced both as a chemical consultant and as an employee, open for salaried position. Direct experience in practically the entire field of chemical and allied industries. Have directed research and development, have had a long patent experience, have carried on introductory sales work on new products. Very highest references for scientific skill, technical resourcefulness, good judgement, energy and industrial acumen. Box 352, Oil, Paint and Drug Reporter.

SUPERINTENDENT and production manager desires to change position. Twenty-seven years experience. Expert formulator. Thorough knowledge of varnishes, paints, enamels as well as synthetic resin applications. Appreciate opportunity to show worth. Box 359, Oil, Paint and Drug Reporter.

Positions Wanted

PROCUREMENT DIRECTOR with comprehensive knowledge and background of paint, varnish, lacquer raw materials and availability of substitutes. Can assume complete responsibility—will not lean on management except for decisions of policy. Can coordinate supply with production. If you have been short of raw materials this year, you should be interested. Prefers growing progressive concern. Location immaterial if in United States. Box 353, Oil, Paint and Drug Reporter.

CHEMICAL ENGINEER, seeks responsible position with pigment or paint factory. Diversified research and practical plant experience. Age 34. Box 355, Oil, Paint and Drug Reporter.

ABLE, SEASONED chemist, D.Sc., experienced both as a consultant and as an employee, open for salaried position. Direct experience in practically the entire field of chemical and allied industries. Have directed research and development, have had a long patent experience, have done much introductory sales promotional work. Very highest references for business skill, scientific knowledge, technical resourcefulness and energy. BOX 372, Oil, Paint and Drug Reporter.

SALESMAN. Detail man. Executive type with a thorough experience in pharmaceuticals, biologicals, vitamins, and fine chemicals, wishes connection. Fine record. Good educational background. Highest type references. BOX 373, Oil Paint and Drug Reporter.

Services Offered

RUM TECHNOLOGIST—Consultant for improvement in plant capacity, yields, and quality of products through special manufacturing methods. Creation of special rum types, including the famous Jamaican. Six years of intensive continuous research in rum manufacture. Rafael Arroyo, Ch. E. & S. E., P.O. Box 136, Rio Piedras, Puerto Rico.

CHEMIST and chemical engineers—If you are now unemployed send your complete chronological records of education and experience to Chemist Advisory Council, Room 811, 60 East 42nd street, New York City.

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SEEKING PARTY to dry and grind substantial quantities of metallic and non-metallic products. BOX 369, Oil, Paint and Drug Reporter.

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CHECK INVENTORIES! We purchase any quantity surplus chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals, and all basic raw materials, as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.

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Hygrade Sylvania Corporation, this city, stockholders have approved a two-for-one split of common stock and an increase of 60,000 shares in authorized amount after split-up. To provide for split-up, authorized common was increased from 340,000 to 680,000 shares, which with 60,000 additional shares made total authorized common 740,000 shares. Of this latter amount, 414,368 shares would be outstanding after stock split.

Vick Chemical Files Answer In $1,600,000 Church Suit

Greensboro, N. C., Sept. 15, 1941

The Vick Chemical Company, Lunsford Richardson, jr., and H. Smith Richardson filed in Federal district court here today an answer in the $1,600,000 suit brought against them by trustees of the First Presbyterian Church of Greensboro, involving a bequest of 3 percent interest in the company, willed to the church by Lunsford Richardson, sr., founder of the firm, who died in 1919. The bequest was to become official last year.

Plaintiffs admit the bequest had been sold in 1923 for $45,000 cash by trustees of the church, but charge the transaction was fraudulent, illegal and void, and that the church is therefore entitled to receive 41,000 shares of Vick stock, valued now at $1,600,000. The defendants' answer states that the sale was specifically provided for in the will, that the price paid was fair at the time and that there was no fraud.

Ed. Drach, of Abbott Laboratories, Chicago, was a visitor to the local drug and chemical trade last week.

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12—Ball Mills, 10 gals. to 500 gals.
7—3-Roller Mills, up to 16 by 40.
1—W. & P. Vacuum Mixer, 100 gals. other W. & P., 2 gals. to 2,000 gals.
1—450 gal. Nickel jacketed Kettle,

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